

Risktec Professional Qualifications in Risk & Safety Management



Risktec is a leading provider of professional training and education in **Risk and Safety Management**, with some of the world's most impressive companies as clients.

We offer distance learning training via our e-learning environment Risktec Online to students worldwide seeking a qualification in risk and safety management. The following **Risktec Professional Qualifications (RPQs)** are offered:

Risktec Assessed Masters (RAM)
Risktec Assessed Diploma (RAD)
Risktec Assessed Certificate (RAC)

These qualifications are based on the same content and learning outcomes as the Risktec postgraduate qualifications (PgCert, PgDip and MSc.¹) but have a different, lighter level of assessment.

Why invest in a qualification in risk and safety management?

- ☑ There is a shortage of skilled risk and safety professionals, so a qualification can be a 'fast-track' into the profession.
- ☑ More punitive legislation, use of novel technology and high profile major accidents mean that risk and safety management is a **growing profession**.
- ☑ A qualification **demonstrates learning and creative thinking** in order to solve complex risk and safety problems.

Why invest in this qualification?

- ☑ We believe the RPQs to be the world's first awards designed by professionals for professionals in the major hazard industries.
- ☑ The RPQs combine and condense the collective knowledge of over **50** of our most highly experienced consultants and aim to enhance the knowledge and practical skills of students.
- ☑ Studying all 12 modules gains access to around **1800** pages of content, plus **120** online activities designed to reinforce the learner's newly acquired skills.
- ☑ This qualification uses the same learning materials as the Risktec modules forming the MSc programme delivered in partnership with Liverpool John Moores University (LJMU).
- ☑ This qualification is directed at those who still wish to achieve a qualification delivered by industry-recognised practitioners, but have less time available for study than is needed for the university-validated programmes.
- ☑ Enrolling on a Risktec programme ensures that your learning is **relevant** to industry and the situations you are likely to encounter in the **real professional world**.
- ☑ The modules are kept current through Risktec's processes for monitoring research programmes, new developments, legislation and standards, as well as experiences from across our worldwide consulting.

Who should attend?

Anyone seeking to implement practical risk management within high hazard industries, such as oil and gas, petrochemical, chemical, nuclear, transportation, mining, conventional power and renewables.

¹ If you require a university qualification, please see www.risktec.co.uk/training-and-education for details of our postgraduate programmes.

Programme

At the end of the programme you will be able to:

- ☑ Justify the use of risk assessment through illustration of its objectives and drivers
- ☑ Analyse and evaluate a broad range of practical risk management tools and techniques and demonstrate expertise in selected techniques
- ☑ Devise practical solutions for real-life risk management problems
- ☑ Develop a questioning and critical attitude to management of risks
- ☑ Display mastery of clear and effective communication of risk
- ☑ Practise self-learning and demonstrate a commitment to the risk management profession

Modules:

Introduction to Risk Management

Drivers for risk management
Elements of risk management process
Demonstration of ALARP
Example tools, techniques and studies
HSE management systems and cases
Causes of major accidents

Bowtie Risk Management

Introduction to risk assessment and bowties
The bowtie method - how to build a bowtie
Assuring barrier integrity
Effectiveness and ALARP for bowties
Benefits and practical uses of bowties
Facilitating bowtie workshops, software tools

Hazard Identification

Hazard identification techniques
Hazard identification through the lifecycle
Failure Modes and Effects Analysis (FMEA)
HAZID /checklist approach
Hazard and operability (HAZOP) studies
Making recommendations

Risk Analysis

Identifying and recording hazards
Risk assessment matrix
Qualitative and quantitative techniques
Health and environmental risk analysis
Security and business risk analysis
Good practice in risk analysis

Health, Safety & Environment (HSE) Management Systems

Definition of an HSE-MS
Elements of an HSE-MS
Legislation, standards & guidance
Documenting the HSE-MS
Implementing the HSE-MS
Leadership and organisational change

Risk Reduction & ALARP

Hierarchy of risk reduction measures
Risk reduction through the project lifecycle
The ALARP concept
Demonstrating ALARP
Qualitative and semi-quantitative approaches
Cost-Benefit Analysis (CBA), Societal risk

Human Factors in Design and Operations

Human factors in design
Human factors integration
Defining human error
Human Reliability Analysis

Workplace Safety

Workplace hazards and controls
Safe systems of work, permit-to-work & safe isolation
Behavioural safety systems
Hazardous chemicals management & PPE

HAZOP Study

Culture, Behaviour & Competency

HAZOP process; overview & detail
HAZOP preparation & facilitation
Managing HAZOP studies and teams
Typical HAZOP failings

Safety culture and leadership
Behaviour, communication, competency
Culture and behaviour tools
Examples of major accidents and root causes

Incident Investigation & Analysis

Safety/HSE Cases

Corrective and preventive actions
Immediate actions
Planning the investigation
Collecting data and data analysis
Making recommendations

Safety case definition & structure
Safety cases through the lifecycle
Tools & techniques
Attributes of a good safety case
Safety case maintenance

RAC and RAD Programme Modules

The RAC programme consists of 6 modules; the Introduction to Risk Management module, plus a choice of 5 out of the 11 remaining modules listed above. After studying 6 modules, you are required to submit four 1,000 word assessments.

The RAD programme consists of all 12 modules. You are required to submit eight 1,000 word assessments.

RAM Programme

The RAM programme comprises the RAD programme, plus a RAM project dissertation of approximately 4,000 words on a topic selected in consultation with Risktec. Risktec can help you choose a state-of-the-art topic in risk and safety management that is of real interest to current and prospective employers. You will have access to a Risktec supervisor throughout the project.

Completing the RAM enables you to demonstrate a good knowledge of specific issues related to your dissertation topic, present systematic and relevant written arguments and apply analytical skills.

How is the Programme Delivered?

The RPQ programmes are delivered via our online learning environment, 'Risktec Online'. You download the material for each module which typically comprises 150 slides with explanatory notes, one or more videos, plus references to further reading and useful websites. You can engage in online activities (typically ten) including optional tests to confirm their understanding. Support from Risktec's practising consultants is available throughout the programme.

Each module involves up to 15 hours of part-time study. After studying 6 modules, you are required to submit four 1,000 word assessments, which will include elements of research, independent thinking and analysis. The assessment will be marked by Risktec teachers. The programmes are 100% online, enabling you to study and submit your formal written assessments from anywhere in the world. All students who complete the programme successfully will receive a Risktec Professional Qualification award certificate.

Registration

How to Register: Email Vicky Billingham at training@risktec.com for an application form

Entry requirements for all applicants: Be confident in your ability to study and perform at ISCED Level 6 (a university Bachelors degree). Proven English language capability. Broadband internet access.

Enrolment options: You can enrol onto any of these programmes at time that suits you. It is possible to enrol initially on the RAC and then upgrade onto the RAD and finally the RAM.

Programme awards:

Qualification Award	No. of modules	No. of assessments	Recommended Completion Time	Completion Deadline
Risktec Assessed Certificate (RAC)	6	4	6 months	8 months
Risktec Assessed Diploma (RAD)	12	8	12 months	16 months
Risktec Assessed Masters (RAM)	12 plus Project	8 plus Project	14 months	19 months

Pricing

Qualification Award	Price GBP (£)	Upgrade Price GBP (£) (valid for 2014)
Risktec Assessed Masters (RAM)	£3,850	From RAD £775
Risktec Assessed Diploma (RAD)	£3,125	From RAC £1,750
Risktec Assessed Certificate (RAC)	£1,750	

Payment in advance, either by credit/debit card or bank transfer.

No VAT will be charged for an individual or company outside EU. VAT will be charged at 20% for a UK based individual, UK company, EU based individual or non-business EU organisation.

No VAT will be charged for EU based businesses outside the UK but you must provide proof of trading status, e.g. local tax registration number, then account for VAT as required in your own jurisdiction under EU VAT Business to Business rules.

Why Select a Distance Learning Programme with Risktec?

- Risktec is respected as a leading risk and safety management consulting and education company, with some of the world's most impressive companies as clients.
- Gaining a qualification helps improve your career prospects and could also increase your remuneration.
- A qualification helps those with less experience to prove their commitment to the field of risk and safety to a prospective employer.
- A qualification can be a 'fast-track' into the growing risk and safety market for people working in related fields.
- An experienced person already working as a risk and safety practitioner will gain a broader and deeper knowledge of the subject, while also achieving formal recognition of their hard-earned experience.
- Participants can study at a time and location that best suits them, working at their own pace.
- Participants gain access to Risktec's experienced consultant-teachers.
- Distance learning avoids the costs of travel and accommodation associated with classroom learning.
- Risktec offers the flexibility of programmes to suit individual needs, budgets and study commitments; those seeking a university qualification can opt for the postgraduate programmes, whilst those seeking an industry qualification that requires less study time at a lower price can opt for the Risktec Assessed programmes.