



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Risk Impact Assessment Methods And Techniques Training

Law, Military Science and Security / Safety in Society

Unit Standard 117429 · NQF Level 7 · 15 Credits · 12 Days

COURSE OVERVIEW

This course equips learners with the skills and knowledge to apply risk impact assessment methods and techniques in a work context. Participants will learn to identify, analyze, and evaluate risks using quantitative and qualitative approaches to support informed decision-making.

Category	Law, Military Science and Security
Subfield	Safety in Society
Unit Standard	117429
Accreditation	SAQA Accredited · NQF Level 7 · 15 Credits
Duration	12 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply risk impact assessment methods to identify and prioritize risks in a given context.
- Analyze risk data using qualitative and quantitative techniques to determine potential impacts.
- Evaluate the effectiveness of risk mitigation strategies based on assessment outcomes.
- Design a risk impact assessment plan aligned with organizational objectives.
- Implement risk assessment procedures that comply with relevant legislation and standards.
- Demonstrate the ability to communicate risk assessment findings to stakeholders.

WHO SHOULD ATTEND

- This course is designed for managers, risk officers, project leaders, and professionals responsible for risk management in their organizations.

COURSE OUTLINE

Day 1: Introduction to Risk Impact Assessment

- Overview of risk management standards (ISO 31000, COSO).
- Key terminology: hazard, risk, likelihood, consequence, impact.
- The risk assessment process: context, identification, analysis, evaluation.
- Legal and regulatory requirements in South Africa.

Day 2: Risk Identification Techniques

- Brainstorming and nominal group technique.
- Delphi method and expert judgment.
- SWOT analysis and PESTLE analysis.
- Developing a risk register template.

Day 3: Qualitative Risk Analysis Methods

- Probability and impact scales (ordinal, descriptive).
- Risk matrix construction and interpretation.
- Risk ranking and prioritisation.
- Subjectivity and calibration in qualitative analysis.

Day 4: Semi-Quantitative Risk Assessment

- Weighted risk scoring methods.
- Risk indices (e.g., risk priority number).
- Heat maps for visual representation.
- Case studies: semi-quantitative applications.

Day 5: Quantitative Risk Analysis – Probability Distributions

- Types of probability distributions.
- Parameter estimation from historical data.
- Monte Carlo simulation basics.
- Expected monetary value (EMV).

Day 6: Quantitative Risk Analysis – Simulation and Modelling

- Steps in Monte Carlo simulation.
- Model inputs: assumptions and correlations.
- Simulation output analysis: percentiles, probability distributions.
- Sensitivity analysis: tornado charts.

Day 7: Decision Tree Analysis and Expected Value

- Decision tree components: nodes, branches, payoffs.
- Expected value calculation and rollback.
- Sensitivity analysis on probabilities.
- Utility theory and risk tolerance.

Day 8: Risk Impact Assessment for Financial Risks

- Financial risk categories.
- Value at Risk (VaR) calculation methods.
- Stress testing and scenario analysis.
- Impact on cash flow and profitability.

Day 9: Risk Impact Assessment for Operational and Project Risks

- FMEA methodology and risk priority numbers.
- Bow-tie analysis for operational risks.
- Project risk assessment: PERT estimation.
- Risk-adjusted project scheduling.

Day 10: Advanced Techniques – Bayesian Analysis and Influence Diagrams

- Bayes' theorem and prior/posterior probabilities.
- Influence diagrams: nodes and arcs.
- Bayesian network construction.
- Case study: Bayesian risk assessment.

Day 11: Risk Evaluation and Treatment Decision-Making

- Risk evaluation criteria and risk appetite.
- Risk treatment options and controls.
- Cost-benefit analysis for risk mitigation.
- Residual risk and risk acceptance.

Day 12: Integration, Reporting, and Continuous Improvement

- Risk report structure and key elements.
- Risk communication and escalation.
- Monitoring indicators and triggers.
- Lessons learned and updating risk assessments.

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **15 NQF credits** at **NQF Level 7**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 47,100.00	R 47,100.00
1	In-House	R 61,300.00	R 61,300.00
1	On-Campus (Pretoria)	R 70,700.00	R 70,700.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	25 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	26 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	27 Aug 2026	On-Campus	Durban, South Africa
12 Aug 2026	27 Aug 2026	On-Campus	Mauritius
13 Aug 2026	28 Aug 2026	On-Campus	Cape Town, South Africa
14 Aug 2026	31 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	01 Sep 2026	On-Campus	Abu Dhabi, UAE
18 Aug 2026	02 Sep 2026	On-Campus	Durban, South Africa

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 117429) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call +27 12 004 8389 or WhatsApp +27 65 077 6310 and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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