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 Assessment in Oil & Gas

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0404 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to identify, assess, and manage risks inherent in oil and gas operations. It covers hazard identification, risk assessment methodologies, and the implementation of control measures to ensure a safe working environment. By the end, participants will be able to contribute effectively to the organization's risk management framework, reducing incidents and promoting a safety-first culture.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0404
Accreditation	SAQA Accredited · NQF Level 5 · 4 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS — verifiable online

LEARNING OUTCOMES

- Apply relevant legislation, industry standards, and company policies to the risk assessment process in oil and gas operations.
- Analyze the principles of risk management and the hierarchy of controls, and evaluate their application in various operational scenarios.
- Demonstrate the ability to conduct a comprehensive risk assessment, including hazard identification, risk analysis, and evaluation, using appropriate techniques.
- Design and implement effective risk control measures and emergency response plans, ensuring alignment with legal and organizational requirements.
- Evaluate the effectiveness of risk control measures and recommend improvements based on monitoring and review processes.
- Communicate risk assessment findings and recommendations clearly to stakeholders at all levels, fostering a culture of safety and continuous improvement.

WHO SHOULD ATTEND

- This course is designed for health and safety officers, operations supervisors, engineers, and other professionals working in the oil and gas industry who are responsible for risk assessment and management.
- It is also suitable for those seeking to enhance their competency in this critical area.

COURSE OUTLINE

Day 1: **Foundations of Risk Assessment in Oil & Gas**

- Introduction to risk assessment and its importance in oil and gas
- Legal requirements (e.g., OHS Act, MHI Regulations, SANS standards
- Hazard identification techniques (checklists, brainstorming, HAZID
- Risk analysis: likelihood and consequence assessment
- Risk evaluation using risk matrices and ALARP principles
- Overview of risk assessment processes (HIRA, JSA, bowtie
- Case studies of incidents and lessons learned

Day 2: **Advanced Risk Assessment and Practical Application**

- HAZOP methodology and its application to process hazards
- Bowtie analysis: visualising risk controls and escalation factors
- Layer of Protection Analysis (LOPA) for high-consequence events
- Quantitative risk assessment (QRA) basics and when to use
- Developing risk treatment plans and control measures
- Integrating risk assessment into safety management systems
- Practical exercise: conducting a HAZOP on a process system

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 **4 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 11,900.00	**R 11,900.00**
1	In-House	R 16,100.00	**R 16,100.00**
1	On-Campus (Pretoria)	R 17,800.00	**R 17,800.00**

UPCOMING SESSIONS

Start	End	Method	Venue
01 Dec 2026	02 Dec 2026	On-Campus	Shenzhen, China
01 Dec 2026	02 Dec 2026	On-Campus	Lagos, Nigeria
02 Dec 2026	03 Dec 2026	On-Campus	Durban, South Africa
03 Dec 2026	04 Dec 2026	On-Campus	Dubai, UAE
07 Dec 2026	08 Dec 2026	On-Campus	Maseru, Lesotho
07 Dec 2026	08 Dec 2026	On-Campus	Kigali, Rwanda
07 Dec 2026	08 Dec 2026	On-Campus	Accra, Ghana
07 Dec 2026	08 Dec 2026	On-Campus	Cape Town, South Africa

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

HOW TO GET A QUOTATION OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard AATICD-0404) and click **Get A Quotation**. 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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