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

Process Safety Management

Custom Courses / Health, Safety and Environment (HSE)

Unit Standard AATICD-0296 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to implement and maintain effective process safety management systems in high-hazard industries. It covers the identification of process hazards, risk assessment, and the application of safety management principles to prevent major incidents and ensure operational integrity.

Category	Custom Courses
Subfield	Health, Safety and Environment (HSE)
Unit Standard	AATICD-0296
Accreditation	SAQA Accredited · NQF Level 5 · 10 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS — verifiable online

LEARNING OUTCOMES

- Apply process safety management principles to identify and control hazards in industrial processes.
- Analyze process risks using techniques such as HAZOP and LOPA to determine appropriate safety measures.
- Evaluate the effectiveness of existing process safety management systems and recommend improvements.
- Design a process safety management framework incorporating safety cases, permit-to-work, and emergency response planning.
- Implement process safety procedures, including management of change and incident investigation, to enhance safety performance.
- Demonstrate leadership in promoting a positive process safety culture within an organization.

WHO SHOULD ATTEND

- This course is designed for process engineers, safety officers, operations managers, and technical personnel working in industries such as chemical, petrochemical, pharmaceutical, and mining, who are responsible for managing process safety.

COURSE OUTLINE

Day 1: **Introduction to Process Safety Management**

- Overview of process safety and its significance
- Major process safety incidents and lessons learned
- Introduction to the 14 PSM elements
- South African regulations (e.g., OHS Act, Major Hazard Installation Regulations
- Process safety culture and leadership commitment
- Roles and responsibilities in PSM

Day 2: **Process Safety Information and Hazard Identification**

- Process Safety Information (PSI): chemicals, technology, equipment
- Hazard identification techniques (e.g., What-If, Checklists, HAZOP
- Conducting a HAZOP: methodology and team roles
- Risk assessment and risk matrix
- Hierarchy of controls: elimination, substitution, engineering, administrative, PPE
- Case studies of hazard analysis

Day 3: **Operating Procedures, Safe Work Practices, and Training**

- Operating procedures: content, format, and updates
- Safe work practices: permit-to-work, hot work, confined space entry
- Training and competency assurance for employees and contractors
- Management of Change (MOC) process
- Contractor selection, training, and oversight
- Pre-startup safety reviews (PSSR

Day 4: **Incident Investigation, Emergency Response, and Audits**

- Incident investigation: root cause analysis techniques
- Emergency response planning and preparedness
- Conducting PSM audits: planning, execution, and reporting
- Key performance indicators (KPIs) for process safety
- Continuous improvement and corrective actions
- Case studies of incident investigations

Day 5: **Integration, Culture, and Continuous Improvement**

- Integration of PSM elements and management systems
- Process safety culture assessment and improvement
- Management of change and human factors
- Leading indicators and performance monitoring
- Developing a PSM implementation roadmap
- Final case study and group presentations

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 **10 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 17,700.00	**R 17,700.00**
1	In-House	R 23,900.00	**R 23,900.00**
1	On-Campus (Pretoria)	R 26,700.00	**R 26,700.00**

UPCOMING SESSIONS

Start	End	Method	Venue
07 Dec 2026	11 Dec 2026	Online	—
07 Dec 2026	11 Dec 2026	On-Campus	Maseru, Lesotho
07 Dec 2026	11 Dec 2026	On-Campus	Kigali, Rwanda
07 Dec 2026	11 Dec 2026	On-Campus	Accra, Ghana
07 Dec 2026	11 Dec 2026	On-Campus	Cape Town, South Africa
07 Dec 2026	11 Dec 2026	On-Campus	Abu Dhabi, UAE
07 Dec 2026	11 Dec 2026	On-Campus	Victoria Falls, Zimbabwe
14 Dec 2026	18 Dec 2026	On-Campus	Mbabane, Eswatini

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-0296) 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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