



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

LPG Occupational Health & Safety

Custom Courses / Liquefied Petroleum Gas

Unit Standard AATICD-0371 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to identify, assess, and control occupational health and safety risks associated with the storage, handling, and use of liquefied petroleum gas (LPG). It covers legislative requirements, safe work procedures, emergency response, and the proper use of personal protective equipment, enabling learners to contribute to a safer workplace.

Category	Custom Courses
Subfield	Liquefied Petroleum Gas
Unit Standard	AATICD-0371
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 the relevant South African legislation and industry standards governing the safe use of LPG.
- Identify LPG-related hazards and assess associated risks in the workplace.
- Implement control measures to eliminate or mitigate LPG risks, including safe handling, storage, and transport procedures.
- Demonstrate correct emergency response procedures, including firefighting and evacuation, in the event of an LPG incident.
- Evaluate the effectiveness of LPG safety systems and recommend improvements.
- Design a basic LPG safety plan for a specific workplace context.

WHO SHOULD ATTEND

- This course is designed for employees, supervisors, and safety officers working in industries where LPG is used, stored, or transported, including hospitality, manufacturing, construction, and retail.

COURSE OUTLINE

Day 1: Introduction to LPG and Legal Framework

- What is LPG: composition, characteristics, and uses
- Physical and chemical properties of LPG
- Overview of OHS Act, Pressure Equipment Regulations, and SANS standards
- Roles of employer, employee, and health and safety representatives
- Introduction to hazard identification and risk assessment (HIRA)
- Common LPG incidents and lessons learned

Day 2: Hazard Identification and Risk Assessment

- Hazard vs risk: definitions and examples
- HIRA methodology: step-by-step process
- Specific LPG hazards: fire, explosion, asphyxiation, and BLEVE
- Chemical safety data sheets (SDS) and their use
- Hierarchy of controls: elimination, substitution, engineering, administrative, PPE
- Practical exercise: conduct a simple HIRA for a typical LPG storage area

Day 3: Safe Handling, Storage, and Transportation

- Cylinder handling: inspection, manual handling, and use of trolleys
- Storage area design: ventilation, separation distances, and signage
- Bulk storage and installation requirements
- Transportation of LPG: vehicle specifications, driver responsibilities
- Filling and decanting procedures: pre-fill checks, safe filling, and leak testing
- Emergency procedures for spills and leaks

Day 4: Personal Protective Equipment, Health Hazards, and Emergency Response

- PPE types: gloves, goggles, face shields, flame-resistant clothing
- PPE selection, care, and maintenance
- Health hazards: acute and chronic effects, exposure limits
- First aid for burns, inhalation, and frostbite
- Emergency response planning: roles, communication, and drills
- Fire detection and suppression systems
- Practical exercise: emergency response drill scenario

Day 5: Safety Management Systems, Auditing, and Continuous Improvement

- Overview of SMS: policy, planning, implementation, measurement, review
- Safety inspections: checklists and reporting
- Auditing principles: internal and external audits
- Incident investigation: root cause analysis and reporting
- Corrective and preventive actions (CAPA)
- Safety culture: leadership, communication, and training
- Review of course and assessment preparation

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 23,100.00	R 23,100.00
1	On-Campus (Pretoria)	R 26,700.00	R 26,700.00

UPCOMING SESSIONS

Start	End	Method	Venue
05 Oct 2026	09 Oct 2026	On-Campus	Kigali, Rwanda
05 Oct 2026	09 Oct 2026	On-Campus	Bangkok, Thailand
05 Oct 2026	09 Oct 2026	On-Campus	Lusaka, Zambia
05 Oct 2026	09 Oct 2026	Online	—
05 Oct 2026	09 Oct 2026	On-Campus	Windhoek, Namibia
05 Oct 2026	09 Oct 2026	On-Campus	Nairobi, Kenya
05 Oct 2026	09 Oct 2026	On-Campus	Mbabane, Eswatini
12 Oct 2026	16 Oct 2026	On-Campus	London, UK

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 AATICD-0371) 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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