



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 Emergency Management

Custom Courses / Liquefied Petroleum Gas

Unit Standard AATICD-0370 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to respond effectively to LPG (liquefied petroleum gas) emergencies. It covers hazard identification, emergency response procedures, and mitigation strategies to protect people, property, and the environment. The course is designed to ensure compliance with South African safety regulations and to foster a culture of safety in the workplace.

Category	Custom Courses
Subfield	Liquefied Petroleum Gas
Unit Standard	AATICD-0370
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 principles of LPG properties and behavior to identify potential emergency scenarios.
- Analyze the risks associated with LPG leaks, fires, and explosions in various settings.
- Evaluate the effectiveness of emergency response plans and procedures for LPG incidents.
- Design and implement immediate response actions to contain and mitigate LPG emergencies.
- Demonstrate the correct use of personal protective equipment (PPE) and firefighting equipment during an LPG emergency.
- Communicate effectively with emergency services and stakeholders during an LPG incident.

WHO SHOULD ATTEND

- This course is ideal for safety officers, emergency response team members, operational staff, and supervisors working in industries that use, store, or transport LPG.
- It is also suitable for anyone seeking to enhance their emergency preparedness skills.

COURSE OUTLINE

Day 1: Introduction to LPG and Emergency Response Fundamentals

- Overview of LPG: composition, physical and chemical properties
- LPG hazards: flammability, explosion potential, asphyxiation, cold burns
- Legal framework: OHS Act, SANS 10087, SANS 10228, and other relevant regulations
- Emergency response plan components and team roles
- Introduction to risk assessment and hazard identification

Day 2: Risk Assessment and Prevention Strategies

- Risk assessment methodologies: HAZID, HAZOP, and bowtie analysis
- Identifying potential LPG release scenarios and their consequences
- Prevention strategies: engineering controls, administrative controls, and PPE
- Safety management systems and emergency preparedness
- Case studies of LPG incidents and lessons learned

Day 3: Incident Command and Communication

- Incident Command System: structure, roles, and responsibilities
- Command, control, and coordination in multi-agency responses
- Communication protocols: radio, phone, and inter-agency liaison
- Resource management: personnel, equipment, and supplies
- Public information and warning during an LPG emergency

Day 4: Response Tactics and Equipment

- Firefighting tactics: cooling, isolation, and controlled burn
- Gas control: valve shutoff, plugging, and patching
- Vapor dispersion: water spray, foam, and monitors
- Emergency response equipment: gas detectors, fire extinguishers, and monitors
- PPE: respiratory protection, thermal protection, and gas-tight suits

Day 5: Recovery, Investigation, and Continuous Improvement

- Recovery operations: cleanup, decontamination, and site restoration
- Incident investigation: evidence collection, witness interviews, and analysis
- Root cause analysis techniques: 5 Whys, fishbone, and fault tree
- Developing and implementing corrective actions
- Continuous improvement: plan-do-check-act cycle and emergency plan review

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-0370) 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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