



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 Terminal Operations

Custom Courses / Liquefied Petroleum Gas

Unit Standard AATICD-0363 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the comprehensive knowledge and practical skills required to safely and efficiently manage LPG terminal operations. It covers the entire value chain from receipt and storage to dispatch, with a strong emphasis on safety, regulatory compliance, and operational best practices. By the end of the course, participants will be able to contribute to the safe and efficient running of an LPG terminal, minimizing risks and ensuring operational integrity.

Category	Custom Courses
Subfield	Liquefied Petroleum Gas
Unit Standard	AATICD-0363
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 LPG properties and associated hazards to identify and mitigate risks in terminal operations.
- Implement safe handling, storage, and transfer procedures for LPG in accordance with industry standards and regulations.
- Analyze terminal equipment and systems (pumps, compressors, pipework, tanks) to ensure safe and efficient operation.
- Evaluate emergency response plans and procedures for LPG incidents, including fire and leak scenarios.
- Demonstrate compliance with relevant South African legislation, safety standards, and environmental regulations.
- Design routine inspection and maintenance schedules to ensure the integrity of terminal infrastructure.

WHO SHOULD ATTEND

- This course is designed for operators, supervisors, and technicians working in LPG terminals, as well as health and safety officers and logistics personnel involved in LPG handling.
- It is also suitable for those seeking to enter the LPG industry and require foundational knowledge of terminal operations.

COURSE OUTLINE

Day 1: Introduction to LPG and Terminal Operations

- Overview of LPG: composition, characteristics, and uses
- LPG terminal layout: storage, loading/unloading, and ancillary systems
- Applicable legislation, standards, and codes (e.g., SANS 10019, OHS Act)
- Safety culture and personal protective equipment (PPE)
- Terminal organizational structure and job functions

Day 2: LPG Storage and Handling Systems

- Types of LPG storage: pressurized, refrigerated, and underground
- Vessel fittings: valves, gauges, and relief devices
- Transfer systems: pumps, compressors, and piping
- Instrumentation and control systems
- Inspection, testing, and maintenance principles

Day 3: LPG Transfer and Loading/Unloading Operations

- Pre-transfer checks and documentation
- Loading/unloading procedures for road and rail
- Use of loading arms and hoses
- Bonding and grounding
- Emergency shutdown and spill response

Day 4: Safety, Emergency Response, and Risk Management

- Hazard identification and risk assessment (HIRA)
- Fire protection: detection, suppression, and firefighting
- Emergency response planning and drills
- Permit-to-work systems
- Incident investigation and reporting

Day 5: Operational Excellence and Practical Integration

- Standard operating procedures (SOPs) and work instructions
- Environmental management and spill prevention
- Terminal operations simulation and tabletop exercises
- Performance monitoring and continuous improvement
- Final assessment and course 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-0363) 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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