



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 Leak Detection

Custom Courses / Liquefied Petroleum Gas

Unit Standard AATICD-0351 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to detect LPG leaks safely and effectively, minimising risks to people, property, and the environment. Learners will understand the properties of LPG, the principles of leak detection, and the correct procedures for using detection equipment and responding to incidents.

Category	Custom Courses
Subfield	Liquefied Petroleum Gas
Unit Standard	AATICD-0351
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 the fundamental properties of LPG and associated hazards to identify potential leak scenarios.
- Demonstrate the correct use of electronic gas detectors, soapy water solutions, and other leak detection methods.
- Analyse leak detection results to determine the severity and source of a leak.
- Implement appropriate emergency procedures when a leak is detected, including evacuation and reporting.
- Evaluate the effectiveness of leak detection and prevention measures in a workplace context.

WHO SHOULD ATTEND

- This course is designed for technicians, safety officers, and maintenance personnel who work with LPG systems or in environments where LPG is used or stored.

COURSE OUTLINE

Day 1: Fundamentals of LPG and Leak Detection Principles

- Introduction to LPG: composition, characteristics, and behavior.
- LPG hazards: flammability, toxicity, and asphyxiation risks.
- Common leak sources: fittings, valves, hoses, cylinders, and appliances.
- Leak detection methods: soapy water, electronic detectors, and gas sniffers.
- Overview of SANS 10087 and other relevant standards.
- Safety protocols and emergency response procedures.
- Introduction to leak detection equipment and tools.
- Case studies of LPG incidents and lessons learned.

Day 2: Advanced Leak Detection Techniques and Practical Application

- Advanced electronic leak detection: calibration and usage.
- Leak detection in confined spaces and high-risk areas.
- Pressure testing and its role in leak detection.
- Developing a systematic leak detection procedure.
- Reporting and documentation of leak detection results.
- Preventive maintenance and regular inspection schedules.
- Team coordination and communication during leak detection operations.
- Review and assessment of practical skills.

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 15,400.00	R 15,400.00
1	On-Campus (Pretoria)	R 17,800.00	R 17,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
30 Sep 2026	01 Oct 2026	On-Campus	Mombasa, Kenya
30 Sep 2026	01 Oct 2026	On-Campus	London, UK
01 Oct 2026	02 Oct 2026	On-Campus	Maseru, Lesotho
01 Oct 2026	02 Oct 2026	On-Campus	Victoria Falls, Zimbabwe
05 Oct 2026	06 Oct 2026	On-Campus	Mbabane, Eswatini
05 Oct 2026	06 Oct 2026	On-Campus	Lusaka, Zambia
06 Oct 2026	07 Oct 2026	On-Campus	Bangkok, Thailand
06 Oct 2026	07 Oct 2026	On-Campus	Nairobi, Kenya

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-0351) 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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