



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 Fault Finding & Maintenance

Custom Courses / Liquefied Petroleum Gas

Unit Standard AATICD-0359 · NQF Level 5 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to safely and effectively fault-find and maintain LPG systems. It covers system components, diagnostic procedures, safety protocols, and routine maintenance practices, ensuring compliance with industry standards and regulations.

Category	Custom Courses
Subfield	Liquefied Petroleum Gas
Unit Standard	AATICD-0359
Accreditation	SAQA Accredited · NQF Level 5 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply relevant safety regulations and standards when working on LPG systems.
- Analyze LPG system components and their functions to identify potential faults.
- Evaluate system performance using diagnostic tools and techniques to pinpoint malfunctions.
- Implement effective fault-finding procedures to isolate and rectify system issues.
- Demonstrate proper maintenance practices to ensure the safe and efficient operation of LPG systems.
- Design a systematic approach to troubleshooting and documenting maintenance activities.

WHO SHOULD ATTEND

- This course is designed for technicians, maintenance personnel, and safety officers who are responsible for the installation, maintenance, and repair of LPG systems in residential, commercial, or industrial settings.

COURSE OUTLINE

Day 1: LPG Fundamentals and Safety

- Introduction to LPG: composition, properties, and behaviour.
- Overview of LPG systems: cylinders, regulators, pipework, appliances.
- Legislation and standards governing LPG installations.
- Safety principles: ventilation, leak detection, emergency procedures.
- Personal protective equipment (PPE) and safe handling techniques.
- Introduction to fault-finding methodology: systematic approach.
- Documentation and record-keeping requirements.

Day 2: Fault Finding and Diagnostic Techniques

- Systematic fault-finding process: observe, isolate, test, rectify.
- Common faults in LPG systems: regulator failure, blockages, leaks, appliance issues.
- Use of manometers for pressure testing and regulator adjustment.
- Leak detection methods: soapy water, electronic detectors.
- Gas appliance fault diagnosis: burner, ignition, and ventilation issues.
- Safety precautions during testing and fault isolation.
- Recording findings and reporting.

Day 3: Maintenance, Repair, and Compliance

- Preventive maintenance schedules and checklists.
- Replacement procedures for regulators, hoses, and fittings.
- Cylinder handling and storage best practices.
- Final testing and commissioning after repairs.
- Troubleshooting complex issues and when to escalate.
- Documentation and legal compliance for maintenance work.
- Customer communication and safety advice.

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 **6 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 13,900.00	R 13,900.00
1	In-House	R 18,100.00	R 18,100.00
1	On-Campus (Pretoria)	R 20,800.00	R 20,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
30 Sep 2026	02 Oct 2026	In-House	—
30 Sep 2026	02 Oct 2026	On-Campus	Victoria Falls, Zimbabwe
05 Oct 2026	07 Oct 2026	On-Campus	Nairobi, Kenya
05 Oct 2026	07 Oct 2026	On-Campus	Lusaka, Zambia
06 Oct 2026	08 Oct 2026	On-Campus	Kigali, Rwanda
06 Oct 2026	08 Oct 2026	On-Campus	Windhoek, Namibia
06 Oct 2026	08 Oct 2026	On-Campus	Bangkok, Thailand
07 Oct 2026	09 Oct 2026	Online	—

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-0359) 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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