



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 Fire Safety

Custom Courses / Liquefied Petroleum Gas

Unit Standard AATICD-0352 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to handle liquefied petroleum gas (LPG) safely, preventing fires and managing emergencies. It covers LPG properties, storage, handling, and response procedures, ensuring compliance with South African safety regulations.

Category	Custom Courses
Subfield	Liquefied Petroleum Gas
Unit Standard	AATICD-0352
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 principles of LPG fire safety to identify hazards and implement control measures.
- Analyze the properties of LPG and their implications for fire risk and emergency response.
- Demonstrate correct procedures for safe storage, handling, and transportation of LPG.
- Implement emergency response plans for LPG leaks and fires, including evacuation and first aid.
- Evaluate the effectiveness of fire prevention measures and recommend improvements.
- Design a basic LPG fire safety checklist for a workplace or facility.

WHO SHOULD ATTEND

- This course is ideal for employees, supervisors, and safety officers who work with or around LPG in industrial, commercial, or domestic settings.

COURSE OUTLINE

Day 1: Introduction to LPG and Fire Fundamentals

- What is LPG? Composition, characteristics, and applications.
- LPG properties: flammability limits, vapor density, boiling point.
- Overview of LPG storage and handling equipment.
- Fire triangle and ignition sources.
- Classes of fire and applicable extinguishing agents.
- Case studies of LPG incidents and lessons learned.

Day 2: LPG Storage and Handling Safety

- Storage regulations and site requirements.
- Cylinder handling, stacking, and segregation.
- Bulk tank siting, mounting, and protection.
- Leak detection methods and use of soapy water.
- Safe transport: vehicle requirements, loading/unloading procedures.
- Emergency procedures for leaks and spills.

Day 3: Fire Prevention and Control Measures

- Ignition source control and hot work permits.
- Fire extinguisher types, ratings, and placement.
- Fire suppression systems for LPG facilities.
- Passive fire protection: separation distances, fire walls.
- Emergency shutdown and isolation procedures.
- Evacuation planning and communication.

Day 4: Firefighting Techniques and Response

- Fire behavior of LPG: BLEVE, jet fires, flash fires.
- Firefighting agents: dry chemical, foam, water spray.
- Techniques for controlling cylinder and tank fires.
- PPE requirements and limitations.
- Leak control: valve shut-off, plugging, and transfer.
- Incident command and multi-agency coordination.

Day 5: Risk Assessment and Emergency Preparedness

- Hazard identification and risk assessment methodologies.
- Emergency response plan components and implementation.
- Safety management systems and continuous improvement.
- Conducting safety audits and inspections.
- Review of regulations and standards (SANS 10087, etc.).
- Final assessment and course wrap-up.

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-0352) 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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