



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

Downstream Oil & Gas Operations

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0379 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the essential knowledge and practical skills required to operate safely and efficiently within the downstream oil and gas industry. It covers the full value chain from refining and distribution to retail, with a strong emphasis on health, safety, and environmental compliance.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0379
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 principles of downstream oil and gas operations, including refining, storage, and distribution processes.
- Analyze the key safety, health, and environmental risks associated with downstream operations and implement appropriate control measures.
- Evaluate the regulatory and compliance frameworks governing downstream oil and gas activities in South Africa.
- Demonstrate the use of operational procedures and best practices for handling petroleum products.
- Design basic emergency response plans for downstream incidents, including spills, fires, and evacuations.
- Implement quality assurance and product integrity measures in downstream logistics and retail operations.

WHO SHOULD ATTEND

- This course is designed for new entrants, operators, technicians, and supervisors working in downstream oil and gas facilities, as well as professionals seeking to broaden their understanding of downstream operations.

COURSE OUTLINE

Day 1: Fundamentals of Downstream Oil & Gas Operations

- Overview of the oil & gas industry: upstream, midstream, downstream
- Downstream processes: refining, blending, storage, and distribution
- Key products: fuels, lubricants, LPG, bitumen, and petrochemicals
- Product specifications and quality assurance (e.g., SANS, ASTM)
- Storage tanks, pipelines, loading racks, and metering systems
- Safety, health, and environmental (SHE) regulations and best practices
- Introduction to operational procedures and emergency response
- Overview of the South African downstream industry context

Day 2: Operational Excellence and Practical Integration

- Safe handling and transfer of petroleum products (loading/unloading)
- Quality control testing: density, flash point, water content, etc.
- Inventory management, reconciliation, and loss control
- Equipment inspection and basic maintenance procedures
- Environmental compliance and spill response
- Incident reporting and root cause analysis
- Integration of operations and maintenance for efficiency
- Case studies and best practices in downstream operations

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-0379) 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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