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

Midstream Oil & Gas Operations

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0378 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course provides learners with a comprehensive understanding of midstream oil and gas operations, focusing on the transportation, storage, and distribution of crude oil, natural gas, and refined products. It equips participants with the skills to manage operational risks, optimize logistics, and ensure regulatory compliance within the South African and global energy context.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0378
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 midstream oil and gas operations to manage the efficient transportation and storage of hydrocarbons.
- Analyze the regulatory and safety frameworks governing midstream operations in South Africa and internationally.
- Evaluate operational risks and implement mitigation strategies to ensure the integrity of pipelines, storage facilities, and transport systems.
- Design logistics and supply chain solutions for the effective distribution of oil and gas products.
- Demonstrate the use of monitoring and control systems, including SCADA, to optimize midstream operations.

WHO SHOULD ATTEND

- This course is designed for professionals working in or aspiring to work in the midstream sector of the oil and gas industry, including operations supervisors, logistics coordinators, pipeline managers, and regulatory compliance officers.

COURSE OUTLINE

Day 1: **Fundamentals of Midstream Oil & Gas Operations**

- Overview of oil and gas industry: upstream, midstream, downstream.
- Midstream infrastructure: pipelines, pump stations, storage tanks, terminals.
- Pipeline design and operation: materials, valves, fittings.
- Fundamentals of fluid flow: pressure, flow rate, and hydraulics.
- Flow assurance: hydrates, wax, and corrosion management.
- Introduction to SCADA and telemetry in pipeline monitoring.
- Health, Safety, and Environment (HSE) regulations and best practices.
- Emergency response and incident management in midstream facilities.

Day 2: **Operational Procedures, Maintenance, and Practical Application**

- Standard operating procedures (SOPs) for midstream operations.
- Pigging operations and pipeline maintenance.
- Tank farm operations: gauging, sampling, and inventory management.
- Pump and compressor operation, troubleshooting, and maintenance.
- Cathodic protection and corrosion monitoring.
- Leak detection systems and response procedures.
- Permit-to-work systems and safe work practices.
- Case studies: operational incidents and lessons learned.

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 16,100.00	**R 16,100.00**
1	On-Campus (Pretoria)	R 17,800.00	**R 17,800.00**

UPCOMING SESSIONS

Start	End	Method	Venue
01 Dec 2026	02 Dec 2026	On-Campus	Dubai, UAE
02 Dec 2026	03 Dec 2026	On-Campus	Victoria Falls, Zimbabwe
02 Dec 2026	03 Dec 2026	On-Campus	Cape Town, South Africa
03 Dec 2026	04 Dec 2026	On-Campus	Shenzhen, China
03 Dec 2026	04 Dec 2026	On-Campus	Lagos, Nigeria
09 Dec 2026	10 Dec 2026	On-Campus	Maseru, Lesotho
09 Dec 2026	10 Dec 2026	On-Campus	Kigali, Rwanda
09 Dec 2026	10 Dec 2026	On-Campus	Accra, Ghana

Contact us if no suitable date is listed — on-demand sessions can be arranged for groups.

HOW TO GET A QUOTATION OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard AATICD-0378) and click **Get A Quotation**. 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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