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

FPSO Operations

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0451 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the comprehensive knowledge and practical skills required to operate Floating Production, Storage, and Offloading (FPSO) facilities safely and efficiently. It covers the fundamental principles of FPSO operations, including production processes, safety systems, and regulatory compliance, ensuring that learners can contribute to the reliable and safe operation of these complex offshore installations.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0451
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 core principles of FPSO operations, including production, storage, and offloading processes.
- Analyze the functions of key FPSO systems and equipment, such as turret mooring, process separation, and cargo handling.
- Evaluate safety and environmental risks associated with FPSO operations and implement appropriate control measures.
- Implement operational procedures for start-up, normal operation, and shutdown of FPSO systems.
- Demonstrate proficiency in monitoring and controlling FPSO processes using control systems and instrumentation.
- Assess the impact of weather and sea conditions on FPSO operations and take appropriate actions to ensure safety and integrity.

WHO SHOULD ATTEND

- This course is designed for operations technicians, production supervisors, and maintenance personnel working in the oil and gas industry, particularly those involved in offshore production.
- It is also suitable for engineers and managers seeking a broader understanding of FPSO operations.

COURSE OUTLINE

Day 1: FPSO Fundamentals and Operations

- Introduction to FPSOs: purpose, types, and advantages
- Main components: hull, turret, process plant, utilities, accommodation
- Production process: well fluids, separation, treatment, storage, offloading
- Utility systems: power generation, water treatment, HVAC, compressed air
- Safety and environmental management: HSE regulations, emergency response
- Operational procedures: start-up, normal operations, shutdown
- Overview of mooring and station-keeping systems
- Introduction to maintenance and inspection regimes

Day 2: Advanced Operations, Troubleshooting, and Safety

- Troubleshooting process upsets: separation, emulsions, foaming, corrosion
- Cargo handling and offloading: operations, safety, and environmental compliance
- Ballast water management and stability considerations
- Emergency response: fire, gas leaks, oil spills, and evacuation procedures
- Permit to work (PTW) system and safe work practices
- Preventive maintenance strategies: risk-based inspection, condition monitoring
- Integrity management: corrosion control, structural integrity, and life extension
- Human factors and operational excellence: reducing errors and improving performance

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	Durban, South Africa
02 Dec 2026	03 Dec 2026	On-Campus	Dubai, UAE
03 Dec 2026	04 Dec 2026	On-Campus	Victoria Falls, Zimbabwe
03 Dec 2026	04 Dec 2026	On-Campus	Cape Town, South Africa
10 Dec 2026	11 Dec 2026	On-Campus	Maseru, Lesotho
10 Dec 2026	11 Dec 2026	On-Campus	Kigali, Rwanda
10 Dec 2026	11 Dec 2026	On-Campus	Accra, Ghana
10 Dec 2026	11 Dec 2026	On-Campus	Cape Town, South Africa

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-0451) 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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