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

Oil & Gas Metering

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0388 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with comprehensive knowledge and practical skills in oil and gas metering systems, focusing on accurate measurement, regulatory compliance, and operational efficiency. It covers the principles of flow measurement, meter proving, and data management, enabling professionals to ensure fiscal accuracy and integrity in hydrocarbon custody transfer.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0388
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 fluid dynamics and thermodynamics to oil and gas metering systems.
- Analyze different metering technologies (e.g., orifice, turbine, ultrasonic, Coriolis) and select appropriate methods for specific applications.
- Evaluate meter performance and uncertainty, and implement calibration and proving procedures.
- Design metering systems that comply with relevant standards and regulations (e.g., API, ISO, OIML).
- Implement data acquisition and management systems for accurate record-keeping and reporting.
- Demonstrate safe and efficient metering operations, including troubleshooting and maintenance.

WHO SHOULD ATTEND

- This course is designed for metering technicians, operations supervisors, and engineers in the oil and gas industry, as well as professionals involved in custody transfer, quality assurance, and regulatory compliance.

COURSE OUTLINE

Day 1: **Fundamentals of Oil & Gas Metering**

- Introduction to oil and gas metering: why it matters
- Overview of hydrocarbon fluids and their properties
- Flow measurement principles: volume, mass, and energy
- Types of meters: differential pressure, positive displacement, turbine, ultrasonic, Coriolis
- Metering systems: skids, provers, and ancillary equipment
- Accuracy, repeatability, and uncertainty
- Introduction to standards and regulations (e.g., API, AGA, ISO
- Fiscal metering vs. custody transfer vs. allocation

Day 2: **Advanced Metering Applications and Practical Integration**

- Meter selection criteria: fluid type, flow range, accuracy, cost
- Temperature, pressure, and compressibility corrections
- Gas metering: orifice, ultrasonic, and Coriolis
- Liquid metering: turbine, PD, and Coriolis
- Meter proving: methods and best practices
- Maintenance, diagnostics, and troubleshooting
- Data handling: flow computers, SCADA, and remote monitoring
- Case studies: real-world metering challenges and solutions

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	Shenzhen, China
01 Dec 2026	02 Dec 2026	On-Campus	Lagos, Nigeria
02 Dec 2026	03 Dec 2026	On-Campus	Durban, South Africa
03 Dec 2026	04 Dec 2026	On-Campus	Dubai, UAE
07 Dec 2026	08 Dec 2026	On-Campus	Maseru, Lesotho
07 Dec 2026	08 Dec 2026	On-Campus	Kigali, Rwanda
07 Dec 2026	08 Dec 2026	On-Campus	Accra, Ghana
07 Dec 2026	08 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-0388) 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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