



## 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

# Dam Operation and Maintenance Assistance

Physical Planning and Construction / Civil Engineering Construction

Unit Standard 254058 · NQF Level 2 · 4 Credits · 1 Day

## COURSE OVERVIEW

This course equips learners with the knowledge and skills to assist in the safe operation and maintenance of dams. It covers routine inspections, monitoring of water levels, and basic maintenance procedures to ensure dam integrity and compliance with relevant regulations.

|                 |                                           |
|-----------------|-------------------------------------------|
| Category        | Physical Planning and Construction        |
| Subfield        | Civil Engineering Construction            |
| Unit Standard   | 254058                                    |
| Accreditation   | SAQA Accredited · NQF Level 2 · 4 Credits |
| Duration        | 1 day                                     |
| Training Method | Online, On-Campus, In-House               |
| Certificate     | Issued via AATICD LMS – verifiable online |

## LEARNING OUTCOMES

- Demonstrate knowledge of dam types, components, and their functions.
- Apply routine inspection procedures to identify potential defects or safety hazards.
- Monitor and record water levels, seepage, and other operational parameters.
- Implement basic maintenance tasks such as clearing debris, lubricating equipment, and reporting faults.
- Comply with relevant health, safety, and environmental regulations during dam operations.
- Assist in emergency response procedures for dam incidents.

## WHO SHOULD ATTEND

- This course is intended for individuals who are responsible for or involved in the day-to-day operation and maintenance of dams, including dam operators, maintenance staff, and junior engineers.

## COURSE OUTLINE

### Day 1: Fundamentals of Dam Operation and Maintenance Assistance

- Introduction to dam types, purposes, and components (e.g., spillways, gates, valves).
- Roles and responsibilities of a dam operation and maintenance assistant.
- Safety regulations, PPE, and emergency response procedures.
- Routine inspection techniques: visual checks, leak detection, and instrumentation reading.
- Basic maintenance tasks: vegetation control, debris removal, and lubrication of moving parts.
- Record keeping: logbooks, inspection reports, and communication protocols.
- Overview of water level management and flow control principles.
- Environmental considerations and sediment management.

## 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 2**.

## PRICING (PER DELEGATE, EX-VAT)

| Delegates | Training Method      | Price per Delegate | Total       |
|-----------|----------------------|--------------------|-------------|
| 1         | Online               | R 12,800.00        | R 12,800.00 |
| 1         | In-House             | R 16,600.00        | R 16,600.00 |
| 1         | On-Campus (Pretoria) | R 19,200.00        | R 19,200.00 |

## UPCOMING SESSIONS

| Start       | End         | Method    | Venue                      |
|-------------|-------------|-----------|----------------------------|
| 31 Jul 2026 | 31 Jul 2026 | On-Campus | Cape Town, South Africa    |
| 31 Jul 2026 | 31 Jul 2026 | On-Campus | Accra, Ghana               |
| 03 Aug 2026 | 03 Aug 2026 | On-Campus | Pretoria, South Africa     |
| 03 Aug 2026 | 03 Aug 2026 | On-Campus | Lagos, Nigeria             |
| 04 Aug 2026 | 04 Aug 2026 | On-Campus | Johannesburg, South Africa |
| 05 Aug 2026 | 05 Aug 2026 | On-Campus | Mauritius                  |
| 06 Aug 2026 | 06 Aug 2026 | On-Campus | Cape Town, South Africa    |
| 07 Aug 2026 | 07 Aug 2026 | On-Campus | Dubai, UAE                 |

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](http://www.aaticd.co.za), open the page for this course (Unit Standard 254058) 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](mailto: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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