



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

Irrigation System Operation And Maintenance Training

Agriculture and Nature Conservation / Primary Agriculture

Unit Standard 116202 · NQF Level 1 · 2 Credits · 1 Day

COURSE OVERVIEW

This course equips participants with the knowledge and practical skills to effectively operate and maintain irrigation systems. It covers system components, scheduling, troubleshooting, and preventive maintenance to ensure efficient water use and system longevity.

Category	Agriculture and Nature Conservation
Subfield	Primary Agriculture
Unit Standard	116202
Accreditation	SAQA Accredited · NQF Level 1 · 2 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Describe the principles of irrigation system operation and the function of key components.
- Demonstrate the ability to start up, shut down, and adjust irrigation systems according to operational requirements.
- Apply routine maintenance procedures to ensure system efficiency and prevent breakdowns.
- Analyze common irrigation system faults and implement corrective actions.
- Evaluate system performance using water application uniformity and pressure measurements.
- Implement a preventive maintenance schedule based on manufacturer specifications and site conditions.

WHO SHOULD ATTEND

- Irrigation technicians, farm managers, landscape supervisors, and maintenance personnel responsible for installing, operating, or maintaining irrigation systems in agricultural or landscape settings.

COURSE OUTLINE

Day 1: Fundamentals of Irrigation System Operation and Maintenance

- Overview of irrigation systems: types, components, and applications.
- Basic hydraulics: pressure, flow, and water distribution.
- Routine maintenance: cleaning filters, checking emitters, and inspecting pipes.
- Troubleshooting common problems: leaks, blockages, and pressure variations.
- Safety protocols: lockout/tagout, personal protective equipment, and hazard identification.
- Start-up and shutdown procedures for seasonal operation.
- Record keeping: logs, checklists, and reporting formats.
- Practical demonstration: hands-on maintenance of a typical irrigation system.

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 **2 NQF credits** at **NQF Level 1**.

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
10 Aug 2026	10 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	12 Aug 2026	On-Campus	Durban, South Africa
12 Aug 2026	12 Aug 2026	On-Campus	Mauritius
13 Aug 2026	13 Aug 2026	On-Campus	Cape Town, South Africa
14 Aug 2026	14 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	17 Aug 2026	On-Campus	Abu Dhabi, UAE
18 Aug 2026	18 Aug 2026	On-Campus	Durban, South Africa

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 116202) 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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