



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: apply@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Hydroponic Systems Operations Basic Problem Identification Training

Agriculture and Nature Conservation / Primary Agriculture

Unit Standard 116072 · NQF Level 2 · 3 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the ability to identify and address basic operational problems in hydroponic systems. It focuses on recognizing symptoms of nutrient imbalances, pest infestations, and equipment malfunctions, enabling timely corrective actions to maintain system productivity.

Category	Agriculture and Nature Conservation
Subfield	Primary Agriculture
Unit Standard	116072
Accreditation	SAQA Accredited · NQF Level 2 · 3 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify common visual symptoms of nutrient deficiencies and toxicities in hydroponic crops.
- Analyze water quality parameters (pH, EC, temperature) to detect deviations from optimal ranges.
- Recognize signs of pest and disease infestations in hydroponic systems.
- Diagnose basic equipment malfunctions (pumps, timers, irrigation lines) using systematic checks.
- Implement corrective actions for identified problems following standard operating procedures.
- Document problem identification and resolution steps for quality assurance records.

WHO SHOULD ATTEND

- This training is designed for entry-level hydroponic farm workers, technicians, and supervisors who are responsible for daily system monitoring and troubleshooting.

COURSE OUTLINE

Day 1: Foundations of Hydroponic Systems and Basic Problem Identification

- Introduction to hydroponics: types, advantages, and applications.
- Key system components: pumps, timers, nutrient reservoirs, growing media.
- Common problems: nutrient imbalances, pH fluctuations, pest infestations, system blockages.
- Basic problem identification: visual inspection, water testing, and symptom analysis.
- Troubleshooting steps: root cause analysis, corrective actions, and preventive measures.
- Safety protocols and record-keeping for problem identification and resolution.

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 **3 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
03 Aug 2026	03 Aug 2026	On-Campus	Dubai, UAE
04 Aug 2026	04 Aug 2026	On-Campus	Pretoria, South Africa
04 Aug 2026	04 Aug 2026	On-Campus	Lagos, Nigeria
05 Aug 2026	05 Aug 2026	On-Campus	Johannesburg, South Africa
06 Aug 2026	06 Aug 2026	On-Campus	Mauritius
07 Aug 2026	07 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	10 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	11 Aug 2026	On-Campus	Abu Dhabi, 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, open the page for this course (Unit Standard 116072) 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.

Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza, 1122 Burnett St, Hatfield 0028, Pretoria, Gauteng, South Africa
Tel: +27 12 004 8389 · WhatsApp: +27 65 077 6310 · apply@aaticd.co.za · www.aaticd.co.za