



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

Vegetable Production System Design Principles Training

Agriculture and Nature Conservation / Primary Agriculture

Unit Standard 117958 · NQF Level 1 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the principles and practices of designing sustainable vegetable production systems. It focuses on integrating agronomic, environmental, and economic factors to create efficient and productive systems suitable for South African contexts.

Category	Agriculture and Nature Conservation
Subfield	Primary Agriculture
Unit Standard	117958
Accreditation	SAQA Accredited · NQF Level 1 · 4 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply principles of crop rotation, soil management, and water conservation in system design.
- Analyze site-specific factors including climate, soil type, and market demand to inform design decisions.
- Evaluate different production systems (e.g., open field, tunnel, hydroponics) for suitability.
- Design a vegetable production system layout incorporating irrigation, pest management, and harvesting plans.
- Implement monitoring and evaluation protocols to optimize system performance over time.
- Demonstrate compliance with relevant environmental and food safety standards.

WHO SHOULD ATTEND

- Farm managers, agricultural extension officers, and emerging farmers seeking to design or improve vegetable production systems.

COURSE OUTLINE

Day 1: Fundamentals of Vegetable Production System Design

- Introduction to vegetable production system design principles.
- Site assessment: climate, soil, water availability, and topography.
- Layout planning: field orientation, access roads, and infrastructure.
- Irrigation system design: types, efficiency, and scheduling.
- Drainage system design: surface and subsurface drainage.
- Soil preparation: tillage, organic matter, and pH management.
- Fertility management: nutrient requirements and application methods.
- Crop rotation and integrated pest management (IPM) basics.

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 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 117958) 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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