



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

Local Area Network Management Issues And Solutions Training

Physical, Mathematical, Computer and Life Sciences / Information Technology and Computer Sciences

Unit Standard 114046 · NQF Level 5 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the knowledge and skills to manage local area networks effectively, addressing common issues such as connectivity problems, security threats, and performance bottlenecks. Participants will learn to troubleshoot network faults, implement solutions, and maintain network reliability in a corporate environment.

Category	Physical, Mathematical, Computer and Life Sciences
Subfield	Information Technology and Computer Sciences
Unit Standard	114046
Accreditation	SAQA Accredited · NQF Level 5 · 4 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply network troubleshooting methodologies to diagnose and resolve LAN connectivity issues.
- Analyze network performance data to identify bottlenecks and propose optimization strategies.
- Evaluate security vulnerabilities in a LAN environment and implement appropriate countermeasures.
- Design a structured cabling plan and configure network devices such as switches and routers.
- Implement network monitoring tools to proactively manage LAN performance and uptime.
- Demonstrate the ability to document network configurations and changes for audit and compliance purposes.

WHO SHOULD ATTEND

- This course is designed for IT support technicians, network administrators, and system engineers who are responsible for the day-to-day management and maintenance of local area networks in small to medium-sized enterprises.

COURSE OUTLINE

Day 1: LAN Management Fundamentals & Troubleshooting

- Overview of LAN components and architectures
- Common LAN management issues: bandwidth bottlenecks, IP conflicts, cable faults
- Network troubleshooting models (OSI/TCP/IP layers)
- Tools for LAN diagnostics: ping, traceroute, Wireshark basics
- Configuration management: switch and router basics
- Security issues: unauthorized access, malware, and mitigation strategies
- Documentation and change management best practices
- Case studies of LAN failure scenarios and resolutions

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 9,900.00	R 9,900.00
1	In-House	R 12,800.00	R 12,800.00
1	On-Campus (Pretoria)	R 14,800.00	R 14,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
21 Aug 2026	21 Aug 2026	On-Campus	Durban, South Africa
24 Aug 2026	24 Aug 2026	On-Campus	Harare, Zimbabwe
25 Aug 2026	25 Aug 2026	On-Campus	Bangkok, Thailand
26 Aug 2026	26 Aug 2026	On-Campus	Victoria Falls, Zimbabwe
26 Aug 2026	26 Aug 2026	On-Campus	Abu Dhabi, UAE
27 Aug 2026	27 Aug 2026	On-Campus	Durban, South Africa
28 Aug 2026	28 Aug 2026	On-Campus	Shenzhen, China
31 Aug 2026	31 Aug 2026	On-Campus	Bangkok, Thailand

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 114046) 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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