



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 Installation For Workstation Setup Training

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

Unit Standard 114060 · NQF Level 5 · 5 Credits · 2 Days

COURSE OVERVIEW

This course provides learners with the practical skills and theoretical knowledge required to install and configure local area networks (LANs) for workstation setup in a corporate environment. Participants will gain hands-on experience in cabling, network device configuration, and troubleshooting to ensure reliable connectivity and performance.

Category	Physical, Mathematical, Computer and Life Sciences
Subfield	Information Technology and Computer Sciences
Unit Standard	114060
Accreditation	SAQA Accredited · NQF Level 5 · 5 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Plan and design a local area network for a specified workstation environment.
- Install and terminate network cabling and connectors according to industry standards.
- Configure network devices such as switches, routers, and access points for LAN connectivity.
- Implement TCP/IP addressing and subnetting schemes for efficient network operation.
- Test and troubleshoot network connectivity using appropriate tools and techniques.
- Document network installation and configuration for future reference and maintenance.

WHO SHOULD ATTEND

- This course is designed for IT support technicians, network administrators, and individuals seeking to enter the networking field.
- It is ideal for those responsible for setting up and maintaining workstation connectivity in small to medium-sized businesses.

COURSE OUTLINE

Day 1: Fundamentals of Local Area Networks and Workstation Connectivity

- Overview of LANs: definition, benefits, and common applications in workplace environments.
- Network topologies: star, bus, ring, and mesh – advantages and disadvantages.
- Network media: twisted-pair cable (Cat5e, Cat6), coaxial cable, fiber optic – characteristics and use cases.
- Network devices: hubs, switches, routers, and wireless access points – functions and placement.
- Introduction to IP addressing: IPv4, subnet masks, and default gateways.
- Structured cabling standards (TIA/EIA-568) and best practices for cable management.
- Safety precautions when handling network equipment and cabling.

Day 2: Installation, Configuration, and Troubleshooting of LAN Workstations

- Site survey and planning: identifying equipment locations, cable routes, and power sources.
- Cable installation techniques: pulling, securing, and labeling cables.
- Terminating twisted-pair cables: T568A and T568B wiring standards.
- Connecting workstations to the network: patch panels, wall jacks, and switch connections.
- Configuring IP settings: static vs DHCP, DNS, and gateway configuration on Windows/Linux.
- Testing tools: cable testers, toner probes, and network analyzers.
- Troubleshooting common issues: no connectivity, slow speeds, IP conflicts, and faulty cables.
- Documentation and labeling for future maintenance.

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 **5 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 11,900.00	R 11,900.00
1	In-House	R 15,400.00	R 15,400.00
1	On-Campus (Pretoria)	R 17,800.00	R 17,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
25 Aug 2026	26 Aug 2026	On-Campus	Victoria Falls, Zimbabwe
25 Aug 2026	26 Aug 2026	On-Campus	Harare, Zimbabwe
25 Aug 2026	26 Aug 2026	On-Campus	Durban, South Africa
27 Aug 2026	28 Aug 2026	On-Campus	Bangkok, Thailand
27 Aug 2026	28 Aug 2026	On-Campus	Shenzhen, China
27 Aug 2026	28 Aug 2026	On-Campus	Abu Dhabi, UAE
31 Aug 2026	01 Sep 2026	On-Campus	Shenzhen, China
31 Aug 2026	01 Sep 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 114060) 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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