



CYBERSECURITY AND IT TRAINING

Network Security and Secure Architecture

5 day course

Classroom, online or in-house

Course overview

Networks were built to connect things and security was added afterwards, which is why an attacker who reaches one host so often reaches everything. This course covers designing against that. Delegates work through network fundamentals from a security point of view, segmentation and the zones and conduits that limit lateral movement, and firewall, proxy and access control design. Remote access and the architecture that replaced the traditional perimeter are covered. Wireless, remote sites and operational technology networks receive their own treatment, since each breaks the standard assumptions. Monitoring placement and encrypted traffic are addressed. The course closes on reviewing an existing network and prioritising what to fix first.

What you will learn

- Describe network fundamentals from a security point of view
- Design segmentation that limits lateral movement
- Configure firewalls, proxies and access control effectively
- Design remote access without recreating a flat network
- Secure wireless, remote sites and operational technology networks
- Place monitoring where it can see what matters
- Review an existing network and prioritise remediation

Who should attend

- Network and security engineers
- IT infrastructure administrators
- Security architects and consultants
- Operational technology and control system staff
- IT managers responsible for network design

Course outline

- 01 Connectivity first, security afterwards
- 02 Network fundamentals for security
- 03 Segmentation, zones and conduits
- 04 Firewalls, proxies and access control
- 05 Remote access and the dissolved perimeter
- 06 Wireless and remote sites
- 07 Operational technology networks
- 08 Monitoring placement and remediation priorities

Upcoming dates

Dates	Venue	Format	Fee per delegate
2 to 6 November 2026	Gaborone, Botswana	Classroom	R19,950
30 November to 4 December 2026	Pretoria, South Africa	Classroom	R19,950
28 December 2026 to 1 January 2027	Online	Online	R8,500
22 to 26 February 2027	Dar es Salaam, Tanzania	Classroom	USD 1,325



Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afiscience.co.za, or WhatsApp us on **+27 63 479 1136**.

AfriScience Group | +27 61 536 6531 | info@afiscience.co.za | Pretoria, Gauteng, South Africa