



CYBERSECURITY AND IT TRAINING

Secure Software Development Practices

5 day course

Classroom, online or in-house

Course overview

Security defects are cheapest to fix while the code is being written and most expensive once the application is processing customer data, yet most testing happens at the end. This course moves it earlier. Delegates work through the common vulnerability classes and the code patterns that cause them, input validation, output encoding and the injection failures that persist decades after being understood. Authentication, session and access control implementation are covered. Secrets handling and dependency risk receive full attention, since most modern code is inherited. Threat modelling is practised on a real design. The course closes on security testing in a build pipeline and on triaging what the tools report.

What you will learn

- Identify the common vulnerability classes and their code patterns
- Apply input validation and output encoding correctly
- Implement authentication, session and access control securely
- Handle secrets without embedding them in code or images
- Assess and manage dependency and supply chain risk
- Threat model a design before it is built
- Integrate security testing into a build pipeline and triage its output

Who should attend

- Software developers and engineers
- Technical leads and architects
- Quality assurance and test engineers
- Security staff supporting development teams
- Development managers setting standards

Course outline

- 01 Cheap early, expensive later
- 02 Common vulnerability classes
- 03 Input validation and output encoding
- 04 Authentication and session management
- 05 Access control implementation
- 06 Secrets handling
- 07 Dependencies and supply chain risk
- 08 Threat modelling and pipeline testing

Upcoming dates

Dates	Venue	Format	Fee per delegate
21 to 25 September 2026	Nairobi, Kenya	Classroom	USD 1,325
12 to 16 October 2026	Kigali, Rwanda	Classroom	USD 1,325
21 to 25 December 2026	Pretoria, South Africa	Classroom	R19,950
25 to 29 January 2027	Online	Online	R8,500



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@afriscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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