Datastat Research
Building Capacity in Training and Research

# DATASTAT TRAINING IN

OFFICIAL COURSE PROSPECTUS

Center for Advanced Research & Professional Development

Nairobi Training Center • Global Virtual Academy • Corporate On-Site

LIBRARY INSTITUTE

# Cybersecurity for Libraries Training Course

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

## PROGRAM SPECIFICATIONS & HIGHLIGHTS

DURATION
**5 Days Practical Hands-on**

DELIVERY MODES
**In-Person Class & Live Virtual**

CERTIFICATION
**Accredited Certificate of Completion**

INTAKES / DATES
**Multiple Cohort Schedules Included**

PREPARED FOR:

**Valued Participant**

Email: training@datastatresearch.org | Issued: November 21, 2026

**Academic & Professional Training Year: 2026**

**DATASTAT TRAINING INSTITUTE**

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# Cybersecurity for Libraries Training Course

**Library Institute • 5 Days Intensive • Accredited Certification**

## Course Overview

Cybersecurity for Libraries Training Course equips participants with practical knowledge, modern cybersecurity frameworks, risk assessment methodologies, cyber resilience strategies, threat intelligence, incident response planning, cloud security practices, artificial intelligence security applications, data protection techniques, and governance best practices.

### Key Skills & Software Tools Covered

MS Word • Wireshark • Nessus • and Splunk

## Upcoming Training Schedules

Confirmed cohort intakes and venues. Both physical in-person classroom and live virtual online seats are available.

| TRAINING DATES | LOCATION / VENUE | FORMAT / DURATION | INVESTMENT (FEE) |
|---|---|---|---|
| **10 Aug 2026 – 14 Aug 2026** | Nairobi | Classroom / 5d | **$1,500 USD / KES 110,000** |
| **10 Aug 2026 – 14 Aug 2026** | Kigali | Classroom / 5d | **$3,000 USD / KES 110,000** |
| **10 Aug 2026 – 14 Aug 2026** | Dubai | Classroom / 5d | **$5,000 USD / KES 110,000** |
| **10 Aug 2026 – 14 Aug 2026** | Cape Town | Classroom / 5d | **$4,500 USD / KES 110,000** |
| **10 Aug 2026 – 14 Aug 2026** | Addis Ababa | Classroom / 5d | **$3,000 USD / KES 110,000** |
| **10 Aug 2026 – 14 Aug 2026** | Singapore | Classroom / 5d | **$5,000 USD / KES 110,000** |
| **10 Aug 2026 – 14 Aug 2026** | Istanbul | Classroom / 5d | **$5,000 USD / KES 110,000** |
| **10 Aug 2026 – 14 Aug 2026** | Bangkok | Classroom / 5d | **$5,000 USD / KES 110,000** |
| **10 Aug 2026 – 14 Aug 2026** | Accra | Classroom / 5d | **$4,000 USD / KES 110,000** |
| **17 Aug 2026 – 21 Aug 2026** | Nairobi | Classroom / 5d | **$1,500 USD / KES 110,000** |
| **17 Aug 2026 – 21 Aug 2026** | Kigali | Classroom / 5d | **$3,000 USD / KES 110,000** |
| **17 Aug 2026 – 21 Aug 2026** | Dubai | Classroom / 5d | **$5,000 USD / KES 110,000** |

* Corporate discounts and customized cohort scheduling are available for teams of 3 or more participants.

## Course Curriculum & Modules

**Cybersecurity for Libraries Training Course**

**Introduction**

**Libraries are rapidly transforming into digitally connected knowledge hubs that manage online catalogs, cloud-based services, digital archives, research databases, mobile applications, e-learning platforms, and patron information systems. This transformation has increased exposure to cyber threats such as ransomware, phishing, malware, insider threats, identity theft, data breaches, unauthorized access, and network attacks. Cybersecurity has become a strategic priority for libraries seeking to safeguard intellectual property, confidential patron records, institutional reputation, digital collections, and operational continuity while ensuring compliance with international cybersecurity standards and privacy regulations.**

**Cybersecurity for Libraries Training Course equips participants with practical knowledge, modern cybersecurity frameworks, risk assessment methodologies, cyber resilience strategies, threat intelligence, incident response planning, cloud security practices, artificial intelligence security applications, data protection techniques, and governance best practices. Through practical case studies, participants will develop the skills required to strengthen cybersecurity posture, improve digital trust, enhance regulatory compliance, and protect library information assets against evolving cyber threats.**

### Course Objectives

Upon completion of this course, participants will be able to:

- Understand modern cybersecurity principles for library environments.
- Conduct cybersecurity risk assessments and vulnerability analysis.
- Protect library information systems against cyber attacks.
- Strengthen digital identity and access management controls.
- Implement cybersecurity governance and compliance frameworks.
- Develop cyber incident response and recovery strategies.
- Secure cloud-based library services and digital repositories.
- Improve data privacy and personal information protection.
- Detect phishing, ransomware, malware, and social engineering attacks.
- Apply cybersecurity monitoring and threat intelligence practices.
- Enhance network security and endpoint protection.
- Build cyber resilience and business continuity capabilities.
- Promote cybersecurity awareness and security culture within libraries.

Organizational Benefits

- Improved protection of digital library assets.
- Reduced cybersecurity risks and financial losses.
- Stronger regulatory compliance.
- Enhanced protection of patron information.
- Improved incident response capabilities.
- Increased staff cybersecurity awareness.
- Better operational continuity.
- Stronger institutional reputation.

Target Audiences

- Library Directors
- Library Managers
- ICT Managers
- Systems Administrators
- Digital Library Specialists
- Information Security Officers
- Records Management Officers
- Academic and Public Library Professionals

Course Duration: 5 days

Course Modules

### Module 1: Cybersecurity Fundamentals for Libraries

- Cybersecurity principles and terminology
- Library cyber threat landscape
- Information asset identification
- Security governance fundamentals
- Cybersecurity standards and frameworks
- Case Study: Cyberattack on a major public library system

### Module 2: Risk Assessment and Governance

- Cyber risk identification
- Vulnerability assessment techniques
- Risk mitigation planning
- Security policies and procedures
- Regulatory compliance requirements
- Case Study: University library cyber risk assessment

### Module 3: Network and Infrastructure Security

- Network security controls
- Firewall and endpoint protection
- Secure Wi-Fi implementation
- Remote access security
- Infrastructure monitoring
- Case Study: Securing a national library network

### Module 4: Identity and Access Management

- User authentication methods
- Multi-factor authentication
- Privileged access management
- Password security practices
- Identity lifecycle management
- Case Study: Preventing unauthorized library system access

### Module 5: Data Protection and Cloud Security

- Data classification
- Encryption technologies
- Cloud security principles
- Backup and recovery planning
- Digital repository protection
- Case Study: Cloud security implementation in academic libraries

### Module 6: Cyber Threats and Incident Response

- Phishing and social engineering
- Malware and ransomware defense
- Incident detection techniques
- Incident response planning
- Digital forensic basics
- Case Study: Ransomware response in a municipal library

### Module 7: Security Awareness and Business Continuity

- Security awareness training
- Insider threat management
- Business continuity planning
- Disaster recovery strategies
- Cyber resilience improvement
- Case Study: Library disaster recovery following cyber disruption

### Module 8: Emerging Technologies and Future Cybersecurity

- Artificial Intelligence in cybersecurity
- Threat intelligence platforms
- Internet of Things security
- Continuous security monitoring
- Future cybersecurity trends
- Case Study: AI-driven cybersecurity implementation in digital libraries

Training Methodology

- Interactive expert-led presentations
- Practical cybersecurity demonstrations
- Hands-on laboratory exercises
- Group discussions and collaborative learning
- Cyber risk assessment workshops
- Real-world library cybersecurity case studies

- Scenario-based incident response simulations
- Policy development exercises
- Knowledge assessments and feedback sessions
- Action planning for organizational implementation

Register as a group from 3 participants for a Discount

Send us an email: info@datastatresearch.org or call +254724527104

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to DATASTAT CONSULTANCY LTD account, as indicated in the invoice so as to enable us prepare better for you.

## Certification & Learning Methodology

- Hands-on practical delivery with real-world datasets, case studies, and lab exercises.
- Post-training mentorship, access to class resources, and customized follow-up support.
- Participants who successfully complete the course receive an accredited Datastat Certificate of Completion.

## How to Enroll & Reserve Your Seat

1. Online Registration: Visit https://datastatresearch.org/courses/cybersecurity-for-libraries-training-course to register online.
2. Email Booking: Send participant details to training@datastatresearch.org for official invoice & reservation.
3. Support & Assistance: Inquire via phone +254 724 527 104 | +254 734 969 612.