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

AVIATION AND AIRPORT MANAGEMENT

Aviation Information Security 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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Aviation Information Security Training Course

Aviation and Airport Management • 5 Days Intensive • Accredited Certification

Course Overview

Aviation Information Security Training Course is designed to strengthen cybersecurity resilience, data protection, and information assurance within the aviation industry.

Key Skills & Software Tools Covered

MS Word • IBM QRadar • Splunk Enterprise Security • and Microsoft Sentinel

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)
27 Jul 2026 – 31 Jul 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
27 Jul 2026 – 31 Jul 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 110,000**
27 Jul 2026 – 31 Jul 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 110,000**
27 Jul 2026 – 31 Jul 2026	Cape Town	Classroom / 5d	**$4,500 USD / KES 110,000**
27 Jul 2026 – 31 Jul 2026	Addis Ababa	Classroom / 5d	**$3,000 USD / KES 110,000**
27 Jul 2026 – 31 Jul 2026	Singapore	Classroom / 5d	**$5,000 USD / KES 110,000**
27 Jul 2026 – 31 Jul 2026	Istanbul	Classroom / 5d	**$5,000 USD / KES 110,000**
27 Jul 2026 – 31 Jul 2026	Bangkok	Classroom / 5d	**$5,000 USD / KES 110,000**
27 Jul 2026 – 31 Jul 2026	Accra	Classroom / 5d	**$4,000 USD / KES 110,000**
3 Aug 2026 – 7 Aug 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
3 Aug 2026 – 7 Aug 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 110,000**
3 Aug 2026 – 7 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

Aviation Information Security Training Course

Introduction

Aviation Information Security Training Course is designed to strengthen cybersecurity resilience, data protection, and information assurance within the aviation industry. With the increasing reliance on digital aviation systems, cloud platforms, airport networks, aircraft communication technologies, and operational technology infrastructure, aviation organizations require advanced cybersecurity strategies to protect critical assets from cyber threats, data breaches, ransomware attacks, and emerging security vulnerabilities. This course equips aviation professionals with practical knowledge of aviation cybersecurity frameworks, threat intelligence, risk management, security governance, and incident response strategies aligned with international aviation security standards.

This specialized training focuses on developing a proactive information security culture across airlines, airports, aviation authorities, and aviation service providers. Participants will gain expertise in cybersecurity risk assessment, network protection, identity management, security monitoring, regulatory compliance, and cyber incident management. Through global aviation case studies and industry best practices, the course enables organizations to enhance cyber resilience, safeguard passenger information, protect aviation operations, and maintain secure digital transformation across the aviation ecosystem.

Course Objectives

By the end of this course, participants will be able to:

- Understand advanced aviation cybersecurity principles and information security frameworks.
- Develop effective aviation cyber risk management and threat mitigation strategies.
- Apply global aviation information security standards and regulatory requirements.
- Identify cybersecurity vulnerabilities affecting airports, airlines, and aviation systems.
- Implement data protection, privacy management, and secure information handling practices.
- Strengthen cyber incident response and digital crisis management capabilities.
- Analyze emerging cyber threats targeting aviation infrastructure and operations.
- Improve cybersecurity governance and organizational security culture.
- Utilize threat intelligence techniques for proactive cyber defense.
- Apply security controls for aviation networks, systems, and digital platforms.
- Enhance compliance with international aviation cybersecurity regulations.
- Develop strategies for protecting critical aviation information assets.
- Promote continuous cybersecurity improvement through innovation and technology adoption.

Organizational Benefits

- Strengthened protection of aviation information assets and critical infrastructure.
- Improved cybersecurity awareness among aviation employees and stakeholders.
- Reduced exposure to cyber threats, attacks, and operational disruptions.
- Enhanced compliance with global aviation security regulations.
- Improved incident detection, response, and recovery capabilities.
- Better management of aviation cyber risks and vulnerabilities.
- Increased passenger confidence through improved data protection practices.
- Stronger cybersecurity governance and leadership capabilities.
- Improved collaboration between aviation security and IT teams.
- Enhanced organizational resilience against evolving cyber threats.

Target Audiences

- Airport security managers and aviation security professionals.
- Airline IT managers and cybersecurity specialists.
- Aviation authority regulators and compliance officers.
- Airport operations managers and technical teams.
- Aircraft systems engineers and aviation technology professionals.
- Information security analysts working in aviation environments.
- Aviation executives responsible for cybersecurity governance.
- Risk management and business continuity professionals.

Course Duration: 5 days

Course Modules

Module 1: Fundamentals of Aviation Information Security

- Introduction to aviation cybersecurity concepts, principles, and global security challenges.
- Understanding aviation information assets, digital infrastructure, and operational systems.
- Overview of cybersecurity threats affecting modern aviation environments.
- Implementation of information security governance frameworks within aviation organizations.
- Case study: Cybersecurity transformation initiatives at major international airports.
- Application of aviation cybersecurity best practices based on global industry examples.

Module 2: Aviation Cyber Threats and Risk Management

- Identification of cyber threats targeting airports, airlines, and aviation systems.
- Aviation cybersecurity risk assessment methodologies and vulnerability analysis.
- Developing cyber risk mitigation strategies for aviation operations.
- Understanding ransomware, phishing, malware, and advanced persistent threats.
- Case study: Airline cyberattack response and recovery strategies.

- Global examples of aviation cyber risk management programs.

Module 3: Aviation Network Security and Infrastructure Protection

- Protecting airport networks, communication systems, and digital platforms.
- Understanding secure aviation network architecture and access controls.
- Implementing cybersecurity controls for operational technology environments.
- Managing wireless networks, cloud systems, and connected aviation devices.
- Case study: Airport network protection strategies at leading global hubs.
- Review of international aviation infrastructure security practices.

Module 4: Data Protection and Privacy in Aviation

- Understanding aviation data protection principles and privacy requirements.
- Securing passenger information, employee records, and operational data.
- Implementing data classification and secure information management systems.
- Managing compliance with international privacy regulations.
- Case study: Airline passenger data protection improvement programs.
- Global examples of aviation data governance frameworks.

Module 5: Cyber Incident Response and Crisis Management

- Developing aviation cybersecurity incident response plans.
- Establishing cyber monitoring, detection, and reporting procedures.
- Managing cybersecurity emergencies affecting aviation operations.
- Improving communication during cyber incidents and disruptions.
- Case study: International airport cyber incident recovery operations.
- Lessons learned from global aviation cybersecurity emergencies.

Module 6: Aviation Cybersecurity Governance and Compliance

- Understanding international aviation cybersecurity standards and regulations.
- Developing cybersecurity policies and organizational security frameworks.
- Managing cybersecurity audits, assessments, and compliance programs.
- Strengthening leadership involvement in aviation cyber protection.
- Case study: Aviation organizations implementing cybersecurity governance models.
- Global regulatory approaches to aviation information security management.

Module 7: Emerging Technologies and Future Aviation Cybersecurity

- Exploring artificial intelligence, automation, and digital transformation risks.
- Understanding cybersecurity challenges in smart airports and connected aircraft.
- Applying advanced technologies for threat detection and prevention.
- Preparing aviation organizations for future cyber challenges.
- Case study: Digital innovation and cybersecurity at future airports.
- Global examples of technology-driven aviation security solutions.

Module 8: Building a Cybersecurity Culture in Aviation

- Developing employee awareness programs and cybersecurity training strategies.
- Promoting cybersecurity responsibility across aviation organizations.
- Improving collaboration between aviation security and IT departments.
- Measuring cybersecurity performance and continuous improvement.
- Case study: Successful cybersecurity culture programs in aviation companies.
- Global examples of aviation organizations achieving cyber resilience.

Training Methodology

- Interactive instructor-led presentations covering aviation cybersecurity concepts.
- Practical exercises focused on cyber risk identification and mitigation.
- Global aviation cybersecurity case studies and industry examples.

- Group discussions on emerging aviation cyber challenges.
- Scenario-based simulations for incident response management.
- Workshops on cybersecurity governance and compliance implementation.
- Practical assessments to evaluate participant understanding.
- Experience sharing from aviation security professionals.

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/aviation-information-security-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.