Cyber-Risk in Tax Data & Systems Training Course

Professional Development Training Course Outline

Category	Taxation and Revenue	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today’s digital age, tax authorities face unprecedented cyber risks that threaten the integrity, confidentiality, and availability of tax data. With increasing reliance on digital platforms for tax collection, filing, and reporting, understanding and mitigating cyber threats has become essential. Cyber-Risk in Tax Data & Systems Training Course provides a comprehensive framework for identifying vulnerabilities in tax systems, evaluating potential threats, and implementing robust security measures to safeguard sensitive information. Participants will gain practical skills to ensure data integrity, maintain taxpayer trust, and comply with national and international cybersecurity standards.

The course emphasizes real-world applications, highlighting emerging threats such as ransomware, phishing, insider threats, and data breaches. Participants will explore advanced strategies in cybersecurity risk management, cyber threat intelligence, incident response, and continuous monitoring of tax systems. By integrating case studies, hands-on exercises, and scenario-based learning, the course ensures participants are equipped with actionable knowledge to enhance the resilience of their tax administration systems and protect critical taxpayer information.

Programme Curriculum

Cyber-Risk in Tax Data & Systems Training Course

Introduction

In today’s digital age, tax authorities face unprecedented cyber risks that threaten the integrity, confidentiality, and availability of tax data. With increasing reliance on digital platforms for tax collection, filing, and reporting, understanding and mitigating cyber threats has become essential. Cyber-Risk in Tax Data & Systems Training Course provides a comprehensive framework for identifying vulnerabilities in tax systems, evaluating potential threats, and implementing robust security measures to safeguard sensitive information. Participants will gain practical skills to ensure data integrity, maintain taxpayer trust, and comply with national and international

cybersecurity standards.

The course emphasizes real-world applications, highlighting emerging threats such as ransomware, phishing, insider threats, and data breaches. Participants will explore advanced strategies in cybersecurity risk management, cyber threat intelligence, incident response, and continuous monitoring of tax systems. By integrating case studies, hands-on exercises, and scenario-based learning, the course ensures participants are equipped with actionable knowledge to enhance the resilience of their tax administration systems and protect critical taxpayer information.

Course Objectives

1. Understand the fundamentals of cyber-risk management in tax administration systems.
2. Identify and evaluate emerging cyber threats and vulnerabilities affecting tax data.
3. Implement cybersecurity frameworks aligned with international standards.
4. Develop effective incident response and recovery strategies.
5. Apply risk assessment tools to prioritize cybersecurity investments.
6. Strengthen access control, data encryption, and network security protocols.
7. Assess the impact of insider threats on sensitive tax information.
8. Design monitoring and audit mechanisms for ongoing cyber-risk mitigation.
9. Explore legal, regulatory, and compliance requirements for tax data security.
10. Integrate advanced technologies such as AI and machine learning for cyber defense.
11. Enhance organizational culture and awareness around cyber hygiene.
12. Evaluate case studies to apply lessons learned to practical scenarios.
13. Develop a cyber-resilient roadmap for sustainable tax system security.

Organizational Benefits

- Reduced risk of data breaches and financial loss.
- Improved compliance with national and international cybersecurity regulations.
- Enhanced trust and credibility with taxpayers.
- Strengthened incident detection and response capabilities.
- Optimized allocation of cybersecurity resources.
- Increased staff competence in handling cyber threats.
- Better risk-informed decision-making processes.
- Enhanced resilience of tax IT infrastructure.
- Prevention of operational disruptions due to cyber incidents.
- Support for digital transformation initiatives in tax administration.

Target Audiences

- Tax auditors and compliance officers
- IT and cybersecurity professionals in public revenue authorities
- Risk and compliance managers
- Data protection officers
- Tax policy and administration officials
- Internal audit staff
- Digital tax transformation teams
- Consultants and advisors in tax technology

Course Duration: 5 days

Course Modules

Module 1: Introduction to Cyber-Risk in Tax Systems

- Overview of cyber-risk in public revenue administration
- Key threats to tax data integrity and confidentiality
- Global trends in cybercrime targeting tax authorities
- Risk-based approach to cyber threat management
- Case Study: Data breach in a national tax authority
- Practical exercise in cyber-risk identification

Module 2: Cybersecurity Frameworks and Standards

- ISO/IEC 27001 and NIST Cybersecurity Framework application
- Establishing security policies and procedures
- Security controls for tax data systems
- Benchmarking against international best practices
- Case Study: Implementation of ISO 27001 in tax administration
- Hands-on session: Designing a cybersecurity policy

Module 3: Threats and Vulnerabilities in Tax Data Systems

- Malware, ransomware, and phishing attacks
- Insider threats and social engineering
- System vulnerabilities and patch management
- Threat intelligence for tax systems
- Case Study: Insider data theft in tax operations
- Practical exercise: Threat assessment simulation

Module 4: Risk Assessment and Management

- Risk identification, analysis, and prioritization
- Impact and likelihood evaluation
- Cyber-risk mitigation strategies
- Risk register and reporting
- Case Study: Risk assessment framework for a revenue authority
- Hands-on exercise: Developing a risk mitigation plan

Module 5: Incident Response and Recovery

- Cyber incident detection and alert mechanisms
- Response planning and execution
- Communication strategies during a breach
- Recovery and system restoration
- Case Study: Response to a ransomware attack in tax systems
- Simulation exercise: Incident response scenario

Module 6: Data Protection and Access Control

- Data classification and encryption techniques
- Role-based access control implementation
- Multi-factor authentication and secure logins

- Data masking and anonymization
- Case Study: Access control breach in tax database
- Practical exercise: Designing access control policies

Module 7: Continuous Monitoring and Audit

- Monitoring tools for tax system security
- Log analysis and anomaly detection
- Security audits and compliance checks
- Performance metrics for cyber-risk management
- Case Study: Continuous monitoring program in a tax authority
- Hands-on exercise: Audit report generation

Module 8: Emerging Technologies in Cybersecurity

- AI, machine learning, and threat prediction
- Blockchain applications for tax data security
- Cloud security and remote access controls
- Future trends and proactive defense measures
- Case Study: AI-based threat detection in tax administration
- Group activity: Developing a technology adoption roadmap

Training Methodology

- Interactive lectures with real-world examples
- Hands-on exercises and practical simulations
- Case study analysis from international tax authorities
- Group discussions and scenario-based problem solving
- Use of cybersecurity tools and software demonstrations
- Continuous assessment and feedback throughout the course

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

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 Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com