# Cybersecurity Risk Management for Insurers Training Course

Professional Development Training Course Outline

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|---|---|---|---|
| **Category** | Insurance | **Duration** | 10 Days |
| **Base Fee** | $3,000 USD | **Delivery Mode** | Online / On-site Hybrid |

## Course Introduction

In today's digital-first insurance landscape, advanced cybersecurity risk management is not a luxury but a necessity. Insurers face a complex web of cyber threats, including ransomware attacks, phishing schemes, data breaches, regulatory compliance pressures, and third-party vulnerabilities. Training Course on Cybersecurity Risk Management for Insurers (Advanced) is tailored to empower insurance professionals with the strategic frameworks, technical knowledge, and risk governance tools to proactively manage and mitigate cybersecurity risks. With a strong focus on regulatory compliance, cyber threat intelligence, and insurance-specific use cases, this program is designed to future-proof your cybersecurity posture.

This course provides a holistic approach by combining real-world case studies, industry best practices, and advanced methodologies in cyber risk management tailored for the insurance sector. You will learn how to evaluate security postures, conduct advanced risk assessments, integrate AI-based cybersecurity tools, and implement incident response plans that meet both organizational and regulatory requirements. Whether you are an IT manager, compliance officer, or CISO, this course ensures you gain hands-on knowledge to transform your insurance operations securely in an ever-evolving cyber landscape.

## Programme Curriculum

**Cybersecurity Risk Management for Insurers Training Course**

**Introduction**

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intelligence, and insurance-specific use cases, this program is designed to future-proof your cybersecurity posture.

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**Course Objectives**

1. Understand advanced cyber threat landscapes affecting insurance companies.
2. Implement effective risk mitigation strategies for insurance cybersecurity.
3. Conduct in-depth cyber risk assessments specific to the insurance industry.
4. Apply cybersecurity compliance frameworks like GDPR, NAIC, and NIST.
5. Monitor, detect, and respond to real-time cybersecurity threats.
6. Utilize AI and machine learning in cybersecurity for fraud detection.
7. Design comprehensive incident response plans for data breaches.
8. Strengthen cyber risk governance in insurance enterprise operations.
9. Apply cloud security protocols in insurance IT infrastructures.
10. Build a cybersecurity-aware culture among employees and agents.
11. Evaluate and secure third-party and vendor risks.
12. Use blockchain technology for secure claims management.
13. Align cybersecurity strategies with insurance regulatory compliance standards.

**Target Audiences**

1. Chief Information Security Officers (CISOs)
2. Insurance Risk Managers
3. IT & Cybersecurity Professionals in Insurance
4. Compliance & Regulatory Officers
5. Claims and Underwriting Managers
6. Insurance Executives and Directors
7. Auditors and Internal Control Professionals
8. Cyber Insurance Product Developers

**Course Duration:** 10 days

**Course Modules**

**Module 1: Cyber Threat Landscape for Insurers**

- Overview of modern cyber threats
- Cybercrime trends targeting insurers
- Attack surfaces in digital insurance
- Sector-specific threat intelligence
- Case study: Colonial Pipeline and implications for insurers
- Cybersecurity threat matrix analysis

**Module 2: Risk Assessment Frameworks for Insurance**

- ISO/IEC 27001 in insurance context
- Quantitative vs qualitative assessments
- Insurance risk scoring systems
- Identifying high-value assets

- Case study: AIG’s cyber risk scoring transformation
- Advanced vulnerability mapping

**Module 3: Regulatory Compliance and Insurance Cybersecurity**

- Overview of NAIC, NIST, GDPR
- Aligning policies with compliance frameworks
- State and international regulations
- Audit readiness and reporting
- Case study: NYDFS Part 500 compliance challenge
- Legal and ethical implications

**Module 4: Cyber Risk Governance for Insurers**

- Defining roles and responsibilities
- Cyber risk appetite and tolerance
- Board-level engagement
- Governance models in cyber defense
- Case study: Allianz governance risk revamp
- Policy integration with business strategy

**Module 5: AI, Machine Learning, and Cybersecurity in Insurance**

- AI-based threat detection tools
- Predictive analytics for cyber insurance
- Automating risk scoring
- Deep learning for anomaly detection
- Case study: Lemonade’s AI-claims fraud detection
- Bias, ethics, and regulatory oversight in AI

**Module 6: Advanced Incident Response Planning**

- Response plan lifecycle
- Coordination with law enforcement and legal teams
- Cyber forensics and evidence collection
- Communication strategies post-breach
- Case study: CNA Financial ransomware attack
- Testing and simulation protocols

**Module 7: Data Protection & Encryption Protocols**

- Data-at-rest vs in-transit encryption
- Tokenization in digital insurance
- Access controls and identity verification
- Customer data privacy strategies
- Case study: Anthem data breach
- Building a zero-trust architecture

**Module 8: Cyber Insurance Product Development**

- Evaluating cyber risk profiles
- Policy wording and exclusions
- Underwriting digital risks
- Pricing models for cyber insurance
- Case study: AXA’s cyber product innovation
- Reinsurance implications

**Module 9: Vendor Risk Management in the Insurance Sector**

- Assessing third-party risk exposure
- SLAs and security clauses
- Continuous vendor monitoring
- Contract negotiation best practices
- Case study: Target breach via HVAC vendor
- Shared liability and indemnity clauses

**Module 10: Insider Threats and Employee Training**

- Recognizing insider threat indicators
- Role-based access and segregation
- Creating a cybersecurity culture
- Phishing simulations and LMS tools
- Case study: Zurich Insurance internal breach
- Behavioral analytics

**Module 11: Secure Digital Transformation Initiatives**

- Cloud migration risk assessment
- Cybersecurity in legacy system integration
- Mobile application protection
- API and open banking risks
- Case study: MetLife’s secure digitization project
- Cybersecurity DevOps practices

**Module 12: Blockchain and Smart Contracts for Security**

- Basics of blockchain in insurance
- Secure claims and payments automation
- Fraud detection through DLT
- Case study: Etherisc parametric insurance
- Regulatory challenges in blockchain use
- Data immutability and transparency

**Module 13: Cybersecurity Metrics and KPIs**

- Defining cybersecurity performance indicators
- Reporting to C-suite and stakeholders
- ROI on cybersecurity investments
- Threat intelligence dashboards
- Case study: Prudential’s KPI-based cyber strategy
- Heat maps and incident trend analysis

**Module 14: Business Continuity and Disaster Recovery**

- Cyber resilience planning
- Aligning DR with cyber threats
- Backup and restore protocols
- Cross-border operational continuity
- Case study: Nationwide’s DR drill success
- Integrating BCP with IT strategy

**Module 15: Emerging Technologies and Future Risks**

- Quantum computing threats

- Internet of Things (IoT) vulnerabilities
- 5G in insurance tech security
- Preparing for unknown threats
- Case study: Forecasting cyber risk in futuristic claims
- Continuous learning and threat modeling

**Training Methodology**

- Instructor-led interactive sessions
- Group workshops and collaborative exercises
- Real-world case study analysis
- Quizzes and scenario-based evaluations
- Access to cyber risk simulation tools
- Final assessment and certification

**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** | 04 Dec 2026 | Online | $2,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $3,000 |

| Start Date | End Date | Location | Price |
|---|---|---|---|
| **23 Nov 2026** | 04 Dec 2026 | Physical | $6,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $6,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $12,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $9,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $12,000 |
| **23 Nov 2026** | 04 Dec 2026 | Physical | $12,000 |

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

**Register Online Now**

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