Insider Threat Detection and Mitigation Training Course

Professional Development Training Course Outline

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

Course Introduction

Insider threats represent one of the most dangerous cybersecurity risks organizations face today. From disgruntled employees to negligent insiders, these threats are difficult to detect and often devastating in impact. Training Course on Insider Threat Detection & Mitigation empowers cybersecurity professionals, compliance officers, HR personnel, and IT teams with the tools, insights, and strategies to prevent, detect, and respond to internal security breaches. Leveraging advanced behavioral analytics, AI-driven monitoring tools, and real-world case studies, the course offers actionable insights into preemptive defense mechanisms.

As insider threats evolve in complexity, businesses must proactively develop a zero-trust architecture, enforce data loss prevention policies, and create a security-aware culture. This course addresses both the technical and human factors behind insider threats, ensuring participants can confidently identify risk indicators and implement sustainable mitigation frameworks. With global trends in remote work and hybrid infrastructure, organizations must adapt rapidly. This training is designed to bridge that gap through in-depth modules aligned with today’s top cybersecurity trends

Programme Curriculum

Insider Threat Detection and Mitigation Training Course

Introduction

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Course Objectives

1. Understand the scope and types of insider threats using real-time threat intelligence.
2. Identify behavioral anomalies with user activity monitoring (UAM).
3. Leverage artificial intelligence in insider risk management systems.
4. Implement data loss prevention (DLP) policies in hybrid environments.
5. Analyze real-world breaches caused by insider negligence or malice.
6. Establish effective employee monitoring with respect to compliance.
7. Utilize machine learning for predictive threat detection.
8. Create a zero-trust framework tailored to insider threat mitigation.
9. Develop cross-departmental incident response plans.
10. Train staff on cybersecurity awareness and policy adherence.
11. Evaluate legal and ethical aspects of insider surveillance.
12. Integrate SIEM tools for continuous risk assessment.
13. Prepare an insider threat mitigation roadmap for enterprise resilience.

Target Audiences

1. Cybersecurity Analysts
2. IT Security Managers
3. HR and Compliance Officers
4. Network Administrators
5. Risk Management Professionals
6. C-Suite Executives
7. Incident Response Teams
8. Government & Defense Personnel

Course Duration: 5 days

Course Modules

Module 1: Introduction to Insider Threats

- Definition and classification of insider threats
- Key statistics and trends
- Common motives behind insider threats
- Case analysis of major insider breaches
- Threat landscape post-COVID and remote work impact
- **Case Study: Edward Snowden and NSA data breach**

Module 2: Threat Indicators & Behavioral Analytics

- Identifying suspicious behavior patterns
- Role of behavioral analytics in threat detection
- Integration of user behavior analytics (UBA)
- Indicators of compromise (IoC) from insiders
- Risk scoring and prioritization
- **Case Study: Target's breach due to vendor insider access**

Module 3: Technological Frameworks for Threat Detection

- User Activity Monitoring (UAM) software
- Data Loss Prevention (DLP) systems
- SIEM and SOAR integration
- AI and machine learning applications
- Endpoint detection and response (EDR) tools
- **Case Study: Anthem's EHR system insider misuse**

Module 4: Building a Zero-Trust Architecture

- Principles of zero-trust security
- Network segmentation strategies
- Least privilege access enforcement
- Multi-factor authentication and identity governance
- Cloud and hybrid model challenges
- **Case Study: Capital One breach involving AWS misconfiguration**

Module 5: Insider Threat Policies and Governance

- Policy creation for insider threat mitigation
- Legal and compliance frameworks (GDPR, HIPAA, etc.)
- Training programs for employee awareness
- Whistleblower protection mechanisms
- Governance and audit trails
- **Case Study: Tesla employee sabotage attempt**

Module 6: Cross-Functional Collaboration & Response

- Incident response planning across departments
- Coordination between HR, IT, and Security
- Reporting mechanisms and escalation paths
- Digital forensics during insider investigations
- Recovery planning and business continuity
- **Case Study: Coca-Cola data theft by a contractor**

Module 7: Ethics and Privacy Considerations

- Ethical implications of employee surveillance
- Balancing productivity with privacy
- Compliance with local and international laws
- Transparent communication and consent practices
- Reducing false positives with ethical AI
- **Case Study: IBM's employee monitoring backlash**

Module 8: Capstone: Developing an Insider Threat Program

- Designing an insider threat program roadmap
- KPI metrics for effectiveness
- Continuous improvement with adaptive security
- Cultural change and leadership involvement
- Final project: Threat simulation scenario
- **Case Study: U.S. Government's National Insider Threat Task Force (NITTF)**

Training Methodology

- Instructor-led sessions (virtual or in-person)

- Interactive scenario-based exercises
- Group discussions and role-playing
- Hands-on experience with demo tools
- Real-life case study analysis

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

Start Date	End Date	Location	Price
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