Threat Intelligence for Cybercrime Prevention Training Course

Professional Development Training Course Outline

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

Course Introduction

In today's digital era, cybercrime prevention is a top priority for organizations and governments globally. As cyber threats become more advanced and persistent, the role of threat intelligence has evolved into a strategic asset. Training Course on Threat Intelligence for Cybercrime Prevention equips participants with the necessary skills to proactively detect, analyze, and neutralize cyber threats using real-time threat intelligence, advanced cybersecurity tools, and behavioral analytics. With ransomware, phishing attacks, and nation-state espionage on the rise, mastering cyber threat intelligence (CTI) is essential to staying ahead of adversaries.

Designed for law enforcement professionals, IT security analysts, digital forensics experts, and cybersecurity leaders, this comprehensive program provides a hands-on and tactical approach to identifying Indicators of Compromise (IOCs), using threat hunting platforms, and implementing cyber defense frameworks like MITRE ATT&CK. Real-world case studies, scenario-based simulations, and intelligence-led decision-making tools are integrated to ensure participants not only understand cyber threat landscapes but can also design effective threat mitigation strategies across complex digital ecosystems.

Programme Curriculum

Threat Intelligence for Cybercrime Prevention Training Course

Introduction

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Course Objectives

1. Understand the fundamentals of Cyber Threat Intelligence (CTI).
2. Analyze emerging cybercrime trends and threat actor behaviors.
3. Apply threat modeling techniques to digital infrastructures.
4. Identify and track Indicators of Compromise (IOCs) and Tactics, Techniques, and Procedures (TTPs).
5. Use MITRE ATT&CK for threat hunting and adversary emulation.
6. Implement SIEM and SOAR platforms for automated intelligence gathering.
7. Design cyber threat detection systems using machine learning.
8. Integrate threat feeds from open-source and premium providers.
9. Conduct Dark Web investigations and deep web monitoring.
10. Improve incident response through actionable threat intelligence.
11. Evaluate threat reports using Structured Analytic Techniques.
12. Build and maintain threat intelligence sharing alliances.

Target Audiences

1. Cybersecurity Analysts
2. Digital Forensics Investigators
3. Law Enforcement Officers
4. Network Security Engineers
5. Risk and Compliance Officers
6. Government Cyber Units
7. Information Security Managers
8. Threat Intelligence Professionals

Course Duration: 10 days

Course Modules

Module 1: Introduction to Cyber Threat Intelligence

- Definition and components of CTI
- Threat Intelligence lifecycle
- Role of CTI in cybersecurity strategy
- Sources of intelligence (OSINT, HUMINT, SIGINT)
- Key CTI tools and platforms
- **Case Study**: How Threat Intelligence Stopped the SolarWinds Attack

Module 2: Cybercrime Landscape & Emerging Threats

- Overview of current cybercrime trends
- Motivations and typologies of cybercriminals
- Evolution of ransomware and extortion
- Role of hacktivism and nation-state threats
- Use of AI in modern cybercrime
- **Case Study**: Disruption of the Conti Ransomware Group

Module 3: Threat Modeling & Risk Analysis

- STRIDE and DREAD modeling frameworks
- Asset identification and vulnerability mapping
- Attack surface analysis
- Risk scoring techniques
- Prioritizing threats based on impact
- **Case Study**: Threat Modeling in Financial Institutions

Module 4: Indicators of Compromise (IOCs)

- What are IOCs?
- Common types: file hashes, IPs, URLs
- IOC detection tools and feeds
- Real-time monitoring strategies
- IOC correlation in SIEM systems
- **Case Study**: IOC Analysis in a Healthcare Breach

Module 5: TTPs and Adversary Profiling

- Understanding MITRE ATT&CK framework
- Adversary emulation and threat actor mapping
- Threat group attribution
- Behavioral analytics in TTP detection
- Use of Cyber Kill Chain model
- **Case Study**: APT29 and Advanced Persistent Threat Profiling

Module 6: Threat Intelligence Platforms (TIPs)

- Key features of leading TIPs
- Integration with existing security infrastructure
- Automation using SOAR
- Visualization of threat data
- Evaluation of open vs. commercial TIPs
- **Case Study**: TIP Deployment at a Multinational Bank

Module 7: Dark Web & Deep Web Intelligence

- Introduction to TOR and dark web marketplaces
- Tracking threat actors in forums
- Cryptocurrency tracing techniques
- Language analysis and translation tools
- Ethical and legal considerations
- **Case Study**: FBI Operation Against AlphaBay

Module 8: Cyber Threat Hunting

- Difference between threat detection and hunting
- Hypothesis-driven hunting techniques
- Use of logs, packets, and endpoint data
- Building a threat hunting team
- Threat hunting maturity models
- **Case Study**: Threat Hunting in a Cloud-Based Network

Module 9: Integrating Threat Intelligence into SOC

- Threat intelligence and SOC synergy

- Tiered SOC response integration
- Playbook automation with SOAR
- Alert prioritization based on intelligence
- Cross-team communication and escalation
- **Case Study**: SOC Enhancement in a Government Agency

Module 10: Incident Response and Intelligence

- Role of intelligence in IR lifecycle
- Pre-incident planning with CTI
- Forensics and post-breach intelligence
- Communication protocols
- Legal and compliance concerns
- **Case Study**: Real-Time Threat Intel in a Data Breach Response

Module 11: Open Source Intelligence (OSINT)

- Free tools for OSINT collection
- Data validation and triangulation
- Social media mining for threat insights
- Web scraping best practices
- Privacy and data governance in OSINT
- **Case Study**: OSINT for Event-Based Threat Detection

Module 12: Strategic & Tactical Intelligence

- Differentiating strategic vs tactical intelligence
- Strategic CTI for executives
- Tactical CTI for SOC teams
- KPIs for intelligence effectiveness
- Linking intelligence to cyber resilience goals
- **Case Study**: Executive Threat Briefings at Fortune 100 Firms

Module 13: Structured Analytic Techniques

- SAT methods: ACH, Red Teaming, Brainstorming
- Reducing cognitive biases in analysis
- Applying SATs in team environments
- Training analysts in SAT
- Visual analytic tools
- **Case Study**: SAT Application During Election Security Operations

Module 14: Intelligence Sharing & Collaboration

- ISACs and global intelligence networks
- Challenges in cross-border info sharing
- Intelligence exchange protocols
- Anonymity and attribution control
- Incentives for sharing intelligence
- **Case Study**: Global Threat Exchange During Log4Shell

Module 15: Designing a Threat Intelligence Program

- Building an internal CTI capability
- Budgeting and staffing requirements
- Measuring success and ROI

- Training and certification needs
- Vendor selection and integration
- **Case Study**: Developing an In-House CTI Program in Healthcare

Training Methodology

- Interactive instructor-led sessions
- Hands-on labs with real-world tools
- Case study debriefs and team discussions
- Threat simulation and red-teaming exercises
- Intelligence report writing assignments
- Continuous knowledge assessment through quizzes

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
21 Sep 2026	02 Oct 2026	Online	$2,000
21 Sep 2026	02 Oct 2026	Physical	$3,000
21 Sep 2026	02 Oct 2026	Physical	$0

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21 Sep 2026	02 Oct 2026	Physical	$0
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21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0
21 Sep 2026	02 Oct 2026	Physical	$0

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