Advanced Cybercrime and Digital Criminology 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 the rapidly evolving digital world, cybercrime has become one of the most pressing threats to global security and individual privacy. Training Course on Advanced Cybercrime & Digital Criminology is designed to empower participants with cutting-edge knowledge, hands-on skills, and critical thinking approaches to combat cybercrime effectively. Leveraging digital forensic tools, data analytics, and legal frameworks, this course bridges theoretical criminology with modern technological application. The training ensures participants understand cyber threats in-depth, along with preventive strategies and investigation methodologies.

Cybercriminal behavior is no longer limited to traditional hacking. With the integration of artificial intelligence, blockchain exploitation, and the deep web, the spectrum of cyber threats has drastically widened. From phishing scams and ransomware to state-sponsored cyber espionage, this program delivers expertise in identifying, investigating, and preventing digital offenses. Participants will engage in real-world simulations, legal analysis, and in-depth case studies to foster an advanced understanding of digital criminology.

Programme Curriculum

Advanced Cybercrime and Digital Criminology Training Course

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Course Objectives

1. Understand the evolution of cybercrime in the digital era.
2. Identify and evaluate emerging threats in cyberspace.
3. Apply digital forensics techniques for cybercrime investigations.
4. Analyze cybercriminal behavior and digital psychology.
5. Explore the role of artificial intelligence in cybercrime detection.
6. Assess ransomware, phishing, and malware attack patterns.
7. Interpret legal frameworks and international cyber laws.
8. Master incident response and threat intelligence strategies.
9. Examine dark web and cryptocurrency-related crimes.
10. Understand ethical hacking and penetration testing approaches.
11. Utilize big data analytics in digital criminology.
12. Study cybersecurity governance and digital risk management.
13. Build cyber resilience frameworks for organizations.

Target Audiences

1. Law Enforcement Professionals
2. Cybersecurity Analysts
3. Criminal Justice Researchers
4. IT and Network Security Officers
5. Legal and Compliance Professionals
6. Forensic Investigators
7. Ethical Hackers
8. Government and Intelligence Officers

Course Duration: 10 days

Course Modules

Module 1: Introduction to Cybercrime & Digital Criminology

- Definition and scope of cybercrime
- Historical evolution of digital offenses
- Classifications of cybercriminals
- Criminological theories applied to cybercrime
- The digital criminal justice system
- **Case Study:** Evolution of Anonymous and hacktivist movements

Module 2: Cybercrime Typologies and Tactics

- Phishing, vishing, and smishing
- Identity theft and social engineering
- Hacking vs ethical hacking
- Online fraud and scams
- Insider threats in cyberspace
- **Case Study:** Facebook-Cambridge Analytica data breach

Module 3: Digital Forensics & Evidence Handling

- Introduction to digital forensics
- Chain of custody and evidence integrity
- Disk and mobile forensics tools
- Network forensics and log analysis
- Reporting digital evidence
- **Case Study:** Enron email data forensic analysis

Module 4: Cyber Laws & International Frameworks

- Overview of global cybercrime legislation
- GDPR, HIPAA, and CCPA regulations
- Budapest Convention on Cybercrime
- Cross-border investigation challenges
- Privacy and surveillance debates
- **Case Study:** Microsoft vs U.S. (cloud data jurisdiction)

Module 5: Malware Analysis & Reverse Engineering

- Introduction to viruses, worms, trojans
- Sandboxing and dynamic analysis
- Static vs dynamic malware analysis
- Binary code interpretation
- Malware obfuscation tactics
- **Case Study:** WannaCry ransomware attack

Module 6: Incident Response & Threat Intelligence

- Phases of incident response
- Threat hunting techniques
- SIEM and SOC functions
- Threat actor profiling
- Post-incident documentation
- **Case Study:** SolarWinds cyberattack breakdown

Module 7: The Dark Web & Illicit Marketplaces

- Dark web architecture and Tor browser
- Cryptocurrency and anonymity
- Illicit goods and services
- Monitoring and infiltration techniques
- Legal and ethical concerns
- **Case Study:** Silk Road and Ross Ulbricht’s arrest

Module 8: Cyber Espionage & State-Sponsored Attacks

- Nation-state threat actors
- Cyberwarfare vs cyberterrorism
- Espionage tools and APT groups
- Global cyber geopolitics
- Defensive cyber policy formation
- **Case Study:** Stuxnet worm and Iran’s nuclear program

Module 9: AI & Machine Learning in Cybercrime

- AI-powered attack vectors

- Machine learning in threat detection
- Predictive analysis for crime prevention
- AI in deepfake generation
- Cybersecurity automation challenges
- **Case Study:** Use of AI in botnet coordination

Module 10: Ethical Hacking & Penetration Testing

- Ethical hacking principles
- Reconnaissance and scanning
- Exploitation and privilege escalation
- Vulnerability assessment tools
- Reporting and remediation
- **Case Study:** Tesla's bug bounty program findings

Module 11: Social Media & Cyberbullying Crimes

- Digital harassment laws
- Fake news and information warfare
- Online grooming and child exploitation
- Platform responsibility & censorship
- Reporting and victim support
- **Case Study:** Amanda Todd case and cyberbullying awareness

Module 12: Cryptocurrency & Financial Cybercrime

- Blockchain technology basics
- Money laundering via crypto
- Tracing Bitcoin and altcoins
- Crypto fraud schemes
- Legal hurdles in financial crime investigations
- **Case Study:** Bitfinex hacking and $4.5B seizure

Module 13: Cyber Risk Management

- Assessing cyber risks
- Risk mitigation frameworks
- Cybersecurity audits
- Business continuity planning
- Compliance and ISO standards
- **Case Study:** Equifax data breach and compliance failure

Module 14: Cybersecurity Policy & Governance

- Organizational cybersecurity strategy
- Executive decision-making
- Board-level cyber risk awareness
- Employee training programs
- Compliance reporting
- **Case Study:** Marriott International cyber governance gap

Module 15: Future of Cybercrime & Criminology

- Predictive policing and AI
- Internet of Things (IoT) vulnerabilities
- Metaverse and VR-based threats

- Next-gen cybersecurity tools
- Careers in cybercrime prevention
- **Case Study:** Deepfake blackmail and digital identity theft

Training Methodology

- Interactive online and in-person lectures
- Real-world simulations and cyber-labs
- Gamified quizzes and knowledge checks
- Group discussions and live scenario analysis
- Downloadable resources and toolkits
- Expert-led case deconstructions

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
23 Nov 2026	04 Dec 2026	Physical	$6,000

Start Date	End Date	Location	Price
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