MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

DIGITAL FORENSICS & CYBER INVESTIGATIONS

"Tracing Cyber Incidents, Preserving Evidence, and Supporting Legal Action"

Schedule

Date	Venue	Fees (Face-to-Face)
23 – 25 Jun 2026	Doha, Qatar	USD 2495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

As cyber threats become increasingly sophisticated, the ability to investigate digital crimes and preserve electronic evidence is critical for both IT security teams and legal compliance. Digital forensics and cyber investigations form the foundation of incident response and cybercrime prosecution.

This course provides participants with the skills and knowledge to conduct structured investigations of cyber incidents, including intrusion analysis, evidence collection, and forensic imaging. It focuses on real-world scenarios, using internationally accepted frameworks and tools aligned with legal and regulatory requirements.

Objectives

By the end of this course, participants will be able to:

- Understand the digital forensics process and investigation lifecycle
- Collect, preserve, and analyze electronic evidence properly
- Use forensic tools for data recovery, log analysis, and malware tracing
- Document findings to support disciplinary or legal action
- Integrate digital forensics into an incident response framework

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Why Attend

- Gain hands-on exposure to tools and techniques used by cyber investigators
- Learn to trace digital footprints across networks, endpoints, and cloud environments
- Ensure forensic processes meet legal chain-of-custody requirements
- Identify common indicators of compromise and cyberattack signatures
- Strengthen your organization’s cyber resilience and breach response capability

Target Audience

This program is designed for:

- IT Security Officers and Cybersecurity Analysts
- Incident Response and SOC Team Members
- Risk, Compliance, and IT Audit Professionals
- Law Enforcement and Corporate Investigators
- Anyone involved in detecting, investigating, or reporting cyber incidents

Individual Benefits

Key competencies that will be developed include:

- Digital evidence handling and preservation
- Use of forensic software and toolkits (e.g., FTK, Autopsy, Wireshark)
- Endpoint, disk, and memory forensics
- Network traffic analysis and intrusion tracing
- Reporting and legal documentation of forensic findings

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Stronger forensic investigation capability during cyber incidents
- Reduced data breach impact through fast, structured response
- Better compliance with cyber laws and regulatory requirements
- Improved collaboration between IT, legal, and investigative teams
- Enhanced preparedness for audits, litigation, or law enforcement involvement

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Forensics lifecycle, cyber laws, evidence frameworks
- Case Studies – Data breaches, ransomware incidents, insider threats
- Workshops – Hard drive imaging, log file analysis, malware tracing
- Peer Exchange – Threat scenarios, incident response experiences
- Tools – FTK Imager, Autopsy, Kali Linux, Wireshark, forensic templates

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Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Foundations of Digital Forensics

- Module 1: Overview of Digital Forensics and Cybercrime (07:30 – 09:30) • Types of cyber incidents, legal and investigative frameworks
- Module 2: Evidence Collection and Chain of Custody (09:45 – 11:15) • Legal standards, documentation, and protection of evidence
- Module 3: Digital Devices and Storage Analysis (11:30 – 01:00) • Disk structures, metadata, partitions, file recovery
- Module 4: Workshop – Forensic Imaging of a Storage Device (02:00 – 03:30) • Create and verify forensic disk images using FTK Imager

Day 2: Investigating Network and Endpoint Attacks

- Module 5: Intrusion Detection and Log Analysis (07:30 – 09:30) • System logs, SIEM alerts, firewall and DNS traces
- Module 6: Memory and Malware Forensics (09:45 – 11:15) • Process tracing, registry analysis, malware behavior
- Module 7: Endpoint and Email Forensics (11:30 – 01:00) • Analyzing web history, deleted files, and user artifacts
- Module 8: Workshop – Analyze Logs and Identify Indicators of Compromise (02:00 – 03:30) • Simulate attack tracing with sample data

Day 3: Reporting, Legal Context, and Cyber Investigation Integration

- Module 9: Forensic Report Writing and Expert Testimony (07:30 – 09:30) • Structure, evidence presentation, legal relevance
- Module 10: Digital Forensics in the Incident Response Lifecycle (09:45 – 11:15) • Cyber kill chain, response coordination, escalation
- Module 11: Case Study – Complex Breach Investigation (11:30 – 01:00) • End-to-end walkthrough of a corporate cyber incident
- Module 12: Final Workshop – Conduct a Mini Cyber Investigation (02:00 – 03:30) • Teams perform a mock investigation and present findings

Certification

Participants will receive a Certificate of Completion in Digital Forensics & Cyber Investigations, validating their ability to investigate cyber incidents, preserve digital evidence, and support post-incident remediation and legal proceedings.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**