MAWA EVENTS

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

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CYBER SECURITY & FRAUD ANALYTICS

"Harnessing Data Intelligence to Detect, Prevent, and Respond to Cyber Threats and Fraud Risks"

Schedule

Date	Venue	Fees (Face-to-Face)
25 – 27 Feb 2026	Kuala Lumpur, Malaysia	USD 2,495 per delegate
03 – 05 Mar 2026	Doha, Qatar	USD 2,495 per delegate

Introduction

The convergence of cybercrime and digital fraud presents growing challenges to organizations worldwide. From phishing and malware to insider threats and fraudulent financial transactions, the attack surface is broader than ever. Traditional security tools alone are no longer sufficient. Organizations need integrated cyber and fraud analytics capabilities to detect anomalies, trace attack patterns, and neutralize threats in real time.

This 3-day intensive course equips participants with practical knowledge and analytical tools to proactively identify and combat cyber threats and fraud. Delegates will gain insight into cyber risk management, fraud detection models, and security intelligence using case studies, simulations, and hands-on activities.

Objectives

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

- Understand the evolving landscape of cyber threats and fraud schemes
- Identify key vulnerabilities across systems, data, and users
- Apply fraud analytics techniques to detect anomalies and prevent financial losses
- Develop integrated response plans for cybersecurity incidents and fraud investigations
- Utilize data sources, dashboards, and security analytics for real-time threat monitoring

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Why Attend

- Strengthen your organization’s cyber defenses with practical tools and strategies
- Gain hands-on experience in fraud detection using real-world case examples
- Learn how to integrate fraud analytics into your cyber risk management program
- Understand regulatory expectations and best practices for cyber governance
- Sharpen your incident response capabilities and forensic investigation skills

Target Audience

This program is designed for:

- Cybersecurity and IT risk professionals
- Internal auditors and fraud investigators
- Compliance and governance officers
- Data analysts and security operations teams
- Finance and banking professionals responsible for digital risk

Individual Benefits

Key competencies that will be developed include:

- Proficiency in identifying and analyzing cyber and fraud threats
- Ability to interpret patterns in digital transactions and user behavior
- Skills in building fraud detection dashboards and reports
- Knowledge of threat intelligence, cyber risk controls, and incident handling
- Enhanced awareness of regulatory compliance related to digital security

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved threat visibility and fraud detection capabilities
- Enhanced risk posture through proactive monitoring and analytics
- Reduced financial and reputational losses due to cyber incidents
- Stronger compliance with data protection and cybersecurity regulations
- Integrated cyber-fraud risk governance across departments

Instructional Methodology

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

- Strategy Briefings – Core concepts in cyber risk management, digital fraud, and governance
- Case Studies – Real incidents of fraud and breaches with lessons learned
- Workshops – Hands-on exercises in fraud detection, data pattern recognition, and response planning
- Peer Exchange – Group discussions on fraud risk trends and cyber defense challenges
- Tools – Fraud detection templates, sample dashboards, and cyber risk checklists

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Course Outline

DETAILED 3-DAY 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: Understanding the Threat Landscape

- Module 1: Cyber Threats & Digital Fraud Trends (07:30 – 09:30) • Types of cyberattacks (phishing, ransomware, APTs) • Fraud typologies: payments, identity theft, insider fraud • Emerging risks in remote work and cloud environments
- Module 2: Key Vulnerabilities and Risk Areas (09:45 – 11:15) • System, network, and endpoint vulnerabilities • Behavioral indicators of insider and external threats • Weaknesses in authentication, data access, and controls
- Module 3: Cybersecurity Frameworks & Governance (11:30 – 01:00) • NIST, ISO 27001, and CIS controls overview • Risk-based approach to cybersecurity • Cyber risk reporting and audit integration
- Module 4: Group Activity – Breach Response Simulation (02:00 – 03:30) • Responding to a hypothetical attack • Stakeholder roles and crisis coordination

Day 2: Fraud Analytics and Detection Techniques

- Module 1: Introduction to Fraud Analytics (07:30 – 09:30) • Role of data in fraud prevention • Fraud risk assessment using historical trends and indicators • Analytical techniques: profiling, clustering, predictive modeling
- Module 2: Data Sources & Detection Tools (09:45 – 11:15) • Transaction data, logs, audit trails, and user behavior • Fraud detection rules vs. machine learning models • Visualization and dashboards for anomaly detection
- Module 3: Building a Fraud Detection Model (11:30 – 01:00) • Defining red flags and thresholds • Creating scoring models and alerts • Case-based walkthrough using sample data
- Module 4: Workshop – Identify Fraud Patterns (02:00 – 03:30) • Analyze a dataset for signs of fraud • Present findings and mitigation plan

Day 3: Cyber Incident Response and Integrated Strategy

- Module 1: Incident Management and Investigation (07:30 – 09:30) • Steps in incident detection, escalation, and containment • Forensic data collection and documentation • Coordination with legal, HR, and compliance
- Module 2: Integrating Cyber & Fraud Programs (09:45 – 11:15) • Breaking down silos between cyber and fraud teams • Unified dashboards and shared risk intelligence • Governance and oversight for integrated security
- Module 3: Regulatory Compliance and Reporting (11:30 – 01:00) • Key regulations: GDPR, PCI-DSS, SOX, etc. • Reporting breaches and suspicious activity • Compliance risk in digital transactions
- Module 4: Final Review and Action Plan (02:00 – 03:30) • Developing a cyber-fraud resilience strategy • Individual action planning • Q&A and certificate presentation

Certification

Participants will receive a Certificate of Completion in Cyber Security & Fraud Analytics, certifying their ability to detect, respond to, and prevent cyber threats and digital fraud using modern data analysis and risk management techniques.

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.

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