Cyber Security and Technology

Comprehensive Cyber Security Training: From Novice to Ninja

- Location: London
- Date: From 10/2/2025 To 14/2/2025
- Investment: $5950 (Excluding VAT)

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A C A D E M Y

Course Introduction

This 5-day intensive course provides a comprehensive foundation in cybersecurity, designed to equip participants with the knowledge and skills necessary to understand, analyze, and mitigate cyber threats. From fundamental concepts to advanced techniques, this course will empower individuals to become proficient in safeguarding digital assets and building a robust security posture.

Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a binder containing a copy of the presentation
- slides and handouts
- Post-assessment

Course Objectives

Upon successful completion of this course, participants will be able to:

- Understand Cybersecurity Fundamentals: Grasp core concepts of cybersecurity, including threats, vulnerabilities, risks, and security controls.
- Identify and Assess Cyber Threats: Recognize and analyze various types of cyber threats, such as malware, phishing, ransomware, and social engineering attacks.
- Implement Security Best Practices: Apply security best practices, including strong passwords, data encryption, and secure data handling.
- Utilize Security Tools: Learn to use common security tools such as antivirus software, firewalls, and intrusion detection systems.
- Understand Incident Response Procedures: Develop and implement incident response plans for dealing with cyber security incidents.
- Develop a Cybersecurity Mindset: Cultivate a proactive security mindset and understand the importance of continuous learning and adaptation.

Who Should Attend?

This course is designed for a wide range of individuals interested in enhancing their cybersecurity knowledge and skills, including:

- IT Professionals: System administrators, network administrators, IT support staff
- Business Professionals: Managers, executives, entrepreneurs
- Students: College students interested in pursuing a career in cybersecurity
- Anyone interested in improving their digital security awareness

Course Outline

Day 1: Cybersecurity Fundamentals

- Morning:
  - Introduction to Cybersecurity: History, evolution, and importance of cybersecurity in today's world.
  - Core Concepts: Threats, vulnerabilities, risks, attacks (malware, phishing, DDoS).
  - Cybersecurity Frameworks: NIST Cybersecurity Framework, ISO 27001.
- Afternoon:
  - Data Security Fundamentals: Data classification, data encryption, access control.
  - Identity and Access Management: Authentication, authorization, and least privilege.

Day 2: Network Security

- Morning:
  - Network Security Basics: Firewalls, VPNs, intrusion detection/prevention systems (IDS/IPS).
  - Network Protocols and Security: TCP/IP, DNS, and their security implications.
  - Wireless Network Security: Wi-Fi security protocols (WPA2, WPA3), vulnerabilities, and mitigation techniques.
- Afternoon:
  - Cloud Security: Security considerations for cloud computing environments (IaaS, PaaS, SaaS).
  - Virtualization and Containerization Security: Securing virtualized and containerized environments.

Day 3: Endpoint Security & Mobile Security

- Morning:
  - Endpoint Security: Antivirus/antimalware, host-based intrusion detection, endpoint detection and response (EDR).
  - Mobile Device Security: Mobile device management (MDM), BYOD policies, mobile threat defense (MTD).
  - Social Engineering Attacks: Phishing, spear phishing, social media attacks, and prevention techniques.
- Afternoon:
  - Hands-on Exercise: Phishing simulation and awareness training.

Course Outline

Day 4: Incident Response & Cyber Forensics

- Morning:
  - Incident Response Planning and Procedures: Developing and testing incident response plans.
  - Incident Handling: Containment, eradication, recovery, and post-incident review.
  - Digital Forensics: Data acquisition, analysis, and presentation.
- Afternoon:
  - Cyber Threat Intelligence: Gathering, analyzing, and sharing threat intelligence.

Day 5: Advanced Topics & Career Paths

- Morning:
  - Emerging Threats: IoT security, AI/ML in cybersecurity, blockchain security.
  - Cybersecurity Careers: Career paths in cybersecurity, certifications (e.g., CompTIA Security+, CISSP), professional development.
  - Ethical Hacking and Penetration Testing: Introduction to ethical hacking concepts and methodologies.
- Afternoon:
  - Q&A Session, Wrap-up, and Next Steps.

Registration & Payment

Registration Form

- **Full Name (Mr / Ms / Dr / Eng)** ....
- **Position** ....
- **Telephone / Mobile** ....
- **Personal E-Mail** ....
- **Official E-Mail** ....
- **Company Name** ....
- **Address** ....
- **City / Country** ....

Payment Options

- [ ] Please invoice me
- [ ] Please invoice my company

Terms & Conditions

Cancellation and Refund Policy

Delegates have 14 days from the date of booking to cancel and receive a full refund or transfer to another date free of charge. If less than 14 days' notice is given, then we will be unable to refund or cancel the booking unless on medical grounds. For more details about the Cancellation and Refund policy, please visit

www.londonra.com/terms-and-conditions/

Registration & Payment

Please complete the registration form on the course page & return it to us indicating your preferred mode of payment. For further information, please get in touch with us

Course Materials

The course material, prepared by the LRA, will be digital and delivered to candidates by email

Certificates

Accredited Certificate of Completion will be issued to those who attend & successfully complete the programme.

Travel and Transport

We are committed to picking up and dropping off the participants from the airport to the hotel and back.

VENUES

- 🏴 **LONDON**
- 🇪🇸 **BARCELONA**
- 🇲🇾 **KUALA LUMPER**
- 🇳🇱 **AMSTERDAM**
- 🇹🇷 **ISTANBUL**
- 🇸🇬 **SINGAPORE**
- **PARIS**
- 🇦🇪 **DUBAI**

OUR PARTNERS

THANK YOU

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