MINISTRY OF COMMUNICATIONS AND MULTIMEDIA MALAYSIA

CyberSecurity MALAYSIA

GLOBAL ACE
Global Accredited Cybersecurity Education (ACE) Scheme

csm-ace 2019
11th CYBER SECURITY MALAYSIA AWARDS, CONFERENCE & EXHIBITION

Certified Cyber Defender Associate (CCDA)

Certification

Training Fees RM 4,250.00
Exam Fees RM 800.00 (Exclude 6% SST)

24 - 26 September 2019
International Islamic University Malaysia, (IIUM)

Certified Cyber Defender Associate (CCDA) is a 3 days hands-on training and certification programme that learned to formulate defense responses using existing cyber security technology, develop the ability to correlate cyber security related information from multiple sources, boost earning capability and improve credibility in terms of Information Security qualifications and experience.

Terminal Objectives

- To develop a deep understanding and advanced skills to defend their organisation against cyber attacks;
- To formulate defense responses using next generation firewalls, intrusion prevention systems, URL filters, anti-spyware systems, anti-virus systems, anti-DDOS systems, data filters and file blocking systems and advanced application based protection systems;
- To collaborate with other team members to develop defense strategies;
- To practice responding to attacks in real-life simulations, security tools, network architecture and traffic that reflect their actual work environment.

Target Participants

- C-level Security/IT Officers
- System/Network Administrators/Engineers
- Incident Handlers
- Information Security Officers/Managers,
- ISMS Managers
- Security Auditors, and Governance and
- Compliance officers

Certified Examination

The CCDA examination is certified by the Global ACE Scheme. The examination framework is designed to align with a set of relevant Knowledge, Skills and Attitudes (KSA) that are necessary for an Information Security Awareness Manager. Candidates will be tested via a combination of either continual assessment (CA), multiple choice (MC), theory/underpinning knowledge assessment (UK), practical assessment (PA), assignments (AS) and case studies (CS) as required.

Candidates can take the examination at authorized examination centres in participating scheme member countries. Candidates who have successfully passed the CCDA examination will be eligible to apply as an associate or professional member by fulfilling the membership criteria defined under the Global ACE Scheme.

Program Outline

Module 1: Overview	▪ Current Threat Landscape ▪ Modern Day Threats	
Module 2: Cyber Defense Strategy	▪ CIS Critical Security Controls ▪ Cyber Range Malaysia	
Module 3: Information Assurance	▪ Confidentiality, Availability & Integrity ▪ Information Security Management Framework	
Module 4: Information Assurance	▪ Blue Team & Red Team ▪ Hacking Phase 1 – Reconnaissance ▪ Hacking Phase 2 – Scanning ▪ Hacking Phase 3 – Gaining Access ▪ Hacking Phase 4 – Maintaining Access ▪ Hacking Phase 5 – Clearing tracks	
Module 5: Vulnerability Administration Management	▪ Vulnerability Management Life Cycle ▪ Vulnerability Management Lab	
Module 6: Monitoring and Defending Against DoS Attacks	▪ Splunk ▪ DDOS ▪ Botnet ▪ Command and Control	
Module 7: Advanced Defensive Security Operations	▪ Application Blocking ▪ Malware Blocking ▪ Anti-Spyware Blocking ▪ Vulnerability Protection	▪ File Blocking ▪ Data Leak Prevention ▪ URL Filtering
Module 8: Incident Response & Management	▪ Incident Response ▪ Security Incident ▪ Incident Response Process ▪ RACI Matrix	▪ Incident Priority Matrix ▪ Call Tree ▪ RCA Tools ▪ Incident Response Tool
Module 9: Live Fire Lab	▪ Live Fire Lab	

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