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**Course Name**

# Certified Cyber Security Specialist (CCSS)

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**Sector Name**

Information Technology

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## Certified Cyber Security Specialist (CCSS)

### Course Introduction

Cyber security has become a critical priority for organizations as digital transformation accelerates, cloud adoption expands, and cyber threats continue to evolve in sophistication and frequency. Modern organizations face increasing risks including ransomware, phishing attacks, insider threats, data breaches, and operational disruption—making it essential to develop strong cyber security capabilities supported by effective controls, governance, and technical awareness.

To address these challenges, **BOOST Consulting & Training** has developed the Certified Cyber Security Specialist (CCSS) program. This course equips participants with practical and applied knowledge of cyber security concepts, tools, and protection methods relevant to today's threat environment.

The program covers key areas such as the cyber threat landscape, security fundamentals, network and endpoint security, vulnerability management, incident response, security monitoring, and cyber governance best practices. Participants will gain the skills required to identify cyber risks, apply appropriate security controls, support secure IT operations, and respond effectively to cyber incidents

while aligning security practices with organizational policies and compliance requirements.

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## Certified Cyber Security Specialist (CCSS)

### Target Audience

- ✓ IT professionals and network/system administrators
- ✓ Cyber security officers and analysts
- ✓ Risk and compliance managers
- ✓ Technical consultants and auditors
- ✓ Anyone involved in managing or supporting information security initiatives

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## Certified Cyber Security Specialist (CCSS)

### Learning Objectives

- ✓ Understand core cyber security concepts, terminology, and the evolving threat landscape
- ✓ Identify common attack types such as phishing, malware, ransomware, and social engineering
- ✓ Apply essential security controls aligned with confidentiality, integrity, and availability (CIA) principles
- ✓ Understand network security fundamentals including firewalls, segmentation, VPNs, and secure protocols
- ✓ Implement endpoint security best practices including hardening, patching, and anti-malware controls
- ✓ Conduct basic vulnerability assessments and interpret vulnerability scanning results
- ✓ Support incident response processes including detection, containment, eradication, and recovery
- ✓ Understand security monitoring concepts including logs, SIEM, and threat indicators
- ✓ Strengthen cyber governance through policies, access management, risk controls, and awareness programs

## Certified Cyber Security Specialist (CCSS)

### Course Outline

#### ✓ DAY 01

##### **Cyber Security Fundamentals and Threat Landscape**

- ✓ Introduction to cyber security and information security principles
- ✓ The CIA triad: confidentiality, integrity, and availability
- ✓ Overview of the modern cyber threat landscape
- ✓ Common threat actors and attack motivations
- ✓ Types of cyber attacks and real-world examples
- ✓ Human factors and social engineering risks

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### Course Outline

#### ✓ Day 02

##### **Network Security, Access Control, and Identity Management**

- ✓ Network security architecture fundamentals
- ✓ Firewalls, intrusion detection and prevention systems (IDS/IPS)
- ✓ Network segmentation and secure network design
- ✓ Virtual private networks (VPNs) and secure communication protocols
- ✓ Identity and access management (IAM) concepts
- ✓ Authentication, authorization, and multi-factor authentication (MFA)

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### Course Outline

#### ✓ Day 03

#### **Endpoint Security, Vulnerability Management, and Security Hardening**

- ✓ Endpoint threats and protection strategies
- ✓ Anti-malware, endpoint detection and response (EDR) concepts
- ✓ Patch management and system updates
- ✓ Secure configuration and system hardening practices
- ✓ Introduction to vulnerability scanning and assessment
- ✓ Prioritizing and remediating vulnerabilities

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### Course Outline

#### ✓ Day 04

##### **Incident Response, Security Monitoring, and Threat Handling**

- ✓ Cyber incident response lifecycle
- ✓ Detecting and reporting security incidents
- ✓ Containment, eradication, and recovery procedures
- ✓ Basics of digital evidence and logging
- ✓ Security monitoring concepts and SIEM overview
- ✓ Threat intelligence and indicators of compromise

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### Course Outline

#### ✓ Day 05

##### **Cyber Security Governance, Compliance, and Practical Case Workshop**

- ✓ Cyber security policies, standards, and procedures
- ✓ Risk assessment and risk treatment in cyber security
- ✓ Security awareness and training programs
- ✓ Regulatory and compliance considerations
- ✓ Roles and responsibilities in cyber governance
- ✓ Practical workshop: responding to a simulated cyber incident scenario

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## Certified Cyber Security Specialist (CCSS)

### Confirmed Sessions

| FROM           | TO             | DURATION | FEES       | LOCATION         |
|----------------|----------------|----------|------------|------------------|
| April 5, 2027  | April 9, 2027  | 5 days   | 4950.00 \$ | England , London |
| May 10, 2027   | May 14, 2027   | 5 days   | 4250.00 \$ | UAE , Dubai      |
| Nov. 23, 2026  | Nov. 27, 2026  | 5 days   | 4250.00 \$ | UAE , Dubai      |
| Sept. 6, 2026  | Sept. 10, 2026 | 5 days   | 4250.00 \$ | KSA , Riyadh     |
| April 19, 2027 | April 23, 2027 | 5 days   | 4950.00 \$ | England , London |
| April 26, 2027 | April 30, 2027 | 5 days   | 2150.00 \$ | Virtual , Online |
| Nov. 8, 2026   | Nov. 12, 2026  | 5 days   | 4250.00 \$ | UAE , Dubai      |

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