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Learning Style: On Demand

Technology: CompTIA

Difficulty: Beginner

**Course Duration: 6 Hours** 

# **Cyber Security Analyst Essentials**



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# **Course Outline:**

- Module 1: Understanding Vulnerability Response, Handling, and Management
  - Topic 1A: Understanding Cybersecurity Leadership Concepts

- Topic 1B: Exploring Control Types and Methods
- Topic 1C: Explaining Patch Management Concepts

#### Module 2: Exploring Threat Intelligence and Threat Hunting Concepts

- Topic 2A: Exploring Threat Actor Concepts
- Topic 2B: Identifying Active Threats
- Topic 2C: Exploring Threat-Hunting Concepts

# Module 3: Explaining Important System and Network Architecture Concepts

- Topic 3A: Reviewing System and Network Architecture Concepts
- Topic 3B: Exploring Identity and Access Management (IAM)
- Topic 3C: Maintaining Operational Visibility

# Module 4: Understanding Process Improvement in Security Operations

- Topic 4A: Exploring Leadership in Security Operations
- Topic 4B: Understanding Technology for Security Operations

## Module 5: Implementing Vulnerability Scanning Methods

- Topic 5A: Explaining Compliance Requirements
- Topic 5B: Understanding Vulnerability Scanning Methods
- Topic 5C: Exploring Special Considerations in Vulnerability Scanning

# Module 6: Performing Vulnerability Analysis

- Topic 6A: Understanding Vulnerability Scoring Concepts
- Topic 6B: Exploring Vulnerability Context Considerations

## Module 7: Communicating Vulnerability Information

- Topic 7A: Explaining Effective Communication Concepts
- Topic 7B: Understanding Vulnerability Reporting Outcomes and Action Plans

# Module 8: Explaining Incident Response Activities

- Topic 8A: Exploring Incident Response Planning
- Topic 8B: Performing Incident Response Activities

## • Module 9: Demonstrating Incident Response Communication

- Topic 9A: Understanding Incident Response Communication
- Topic 9B: Analyzing Incident Response Activities

#### Module 10: Applying Tools to Identify Malicious Activity

- Topic 10A: Identifying Malicious Activity
- Topic 10B: Explaining Attack Methodology Frameworks
- Topic 10C: Explaining Techniques for Identifying Malicious Activity

## Module 11: Analyzing Potentially Malicious Activity

- Topic 11A: Exploring Network Attack Indicators
- Topic 11B: Exploring Host Attack Indicators
- Topic 11C: Exploring Vulnerability Assessment Tools

## Module 12: Understanding Application Vulnerability Assessment

- Topic 12A: Analyzing Web Vulnerabilities
- Topic 12B: Analyzing Cloud Vulnerabilities

## Module 13: Exploring Scripting Tools and Analysis Concepts

- Topic 13A: Understanding Scripting Languages
- Topic 13B: Identifying Malicious Activity Through Analysis

# Module 14: Understanding Application Security and Attack Mitigation Best Practices

- Topic 14A: Exploring Secure Software Development Practices
- Topic 14B: Recommending Controls to Mitigate Successful Application Attacks

<ul> <li>Topic 14C: Implementing Controls to Prevent Attacks</li> </ul>					