

## **1. Lesson 1: Assessing Cybersecurity Risk**

- Topic A: Identify the Importance of Risk Management
  - Topic B: Assess Risk
  - Topic C: Mitigate Risk
  - Topic D: Integrate Documentation into Risk Management
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## **2. Lesson 2: Analyzing the Threat Landscape**

- Topic A: Classify Threats
  - Topic B: Analyze Trends Affecting Security Posture
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## **3. Lesson 3: Analyzing Reconnaissance Threats to Computing and Network Environments**

- Topic A: Implement Threat Modeling
  - Topic B: Assess the Impact of Reconnaissance
  - Topic C: Assess the Impact of Social Engineering
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## **4. Lesson 4: Analyzing Attacks on Computing and Network Environments**

- Topic A: Assess the Impact of System Hacking Attacks
  - Topic B: Assess the Impact of Web-Based Attacks
  - Topic C: Assess the Impact of Malware
  - Topic D: Assess the Impact of Hijacking and Impersonation Attacks
  - Topic E: Assess the Impact of DoS Incidents
  - Topic F: Assess the Impact of Threats to Mobile Security
  - Topic G: Assess the Impact of Threats to Cloud Security
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## **5. Lesson 5: Analyzing Post-Attack Techniques**

- Topic A: Assess Command and Control Techniques
- Topic B: Assess Persistence Techniques
- Topic C: Assess Lateral Movement and Pivoting Techniques
- Topic D: Assess Data Exfiltration Techniques
- Topic E: Assess Anti-Forensics Techniques

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## **6. Lesson 6: Assessing the Organization's Security Posture**

- Topic A: Implement Cybersecurity Auditing
- Topic B: Implement a Vulnerability Management Plan
- Topic C: Assess Vulnerabilities
- Topic D: Conduct Penetration Testing

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## **7. Lesson 7: Collecting Cybersecurity Intelligence**

- Topic A: Deploy a Security Intelligence Collection and Analysis Platform
- Topic B: Collect Data from Network-Based Intelligence Sources
- Topic C: Collect Data from Host-Based Intelligence Sources

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## **8. Lesson 8: Analyzing Log Data**

- Topic A: Use Common Tools to Analyze Logs
- Topic B: Use SIEM Tools for Analysis

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## **9. Lesson 9: Performing Active Asset and Network Analysis**

- Topic A: Analyze Incidents with Windows-Based Tools
- Topic B: Analyze Incidents with Linux-Based Tools
- Topic C: Analyze Indicators of Compromise

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## **10. Lesson 10: Responding to Cybersecurity Incidents**

- Topic A: Deploy an Incident Handling and Response Architecture
- Topic B: Mitigate Incidents
- Topic C: Hand Over Incident Information to a Forensic Investigation

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## **11. Lesson 11: Investigating Cybersecurity Incidents**

- Topic A: Apply a Forensic Investigation Plan  
Topic B: Securely Collect and Analyze Electronic Evidence  
Topic C: Follow Up on the Results of an Investigation