

ECSA

EC-Council Certified Security Analyst

- 1 **Penetration Testing Essential Concepts**
 - Computer Network Fundamentals
 - Network Security Controls and Devices
 - Windows and Linux Security
 - Web Application and Web Server Architecture and Operations
 - Web Application Security Mechanisms
 - Information Security Attacks
 - Information Security Standards
- 2 **Introduction to Penetration Testing Methodologies**
 - Penetration Testing Process and Methodologies & Benefits
 - Types, Areas and Selection of Pentesting
- 3 **Penetration Testing Scoping and Engagement Methodology**
 - Penetration Testing Scoping and Rules and Engagement
 - Penetration Testing Engagement Contract and Preparation
- 4 **Open-Source Intelligence (OSINT) Methodology**
 - OSINT Through World Wide Web (WWW), Website Analysis, DNS Interrogation
 - Automating your OSINT Effort Using Tools/Frameworks/Scripts
- 5 **Social Engineering Penetration Testing Methodology**
 - Social Engineering Penetration Testing Techniques & Steps
 - Social Engineering Penetration testing using E
- 6 **Network Penetration Testing Methodology – External**
 - External Network Information & Reconnaissance
 - Scanning, and Exploitation
- 7 **Network Penetration Testing Methodology – Internal**
 - Internal Network Information Reconnaissance and Scanning
 - Internal Network Enumeration and Vulnerability Scanning
 - Local and Remote System Exploitation
- 8 **Network Penetration Testing Methodology - Perimeter Devices**
 - Firewall Security Assessment Techniques
 - iDs Security Assessment Techniques
 - Router and Switch Security Assessment Techniques
- 9 **Web Application Penetration Testing Methodology**
 - Web Application Content Discovery and Vulnerability Scanning
 - SQL Injection Vulnerability Penetration Testing
 - XSS, Parameter Tampering, Weak Cryptography, Security Misconfiguration and Client side scripting, vulnerabilities penetration techniques
 - Authentication, Authorization, session, Web Server Vulnerabilities Penetration Testing

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- 10 Database Penetration Testing Methodology**
 - 11 Wireless Penetration Testing Methodology**
 - 12 Cloud Penetration Testing Methodology**
 - 13 Report Writing and Post Testing Actions**
- Database Penetration Testing Techniques & Information Reconnaissance
 - Database Enumeration & Exploitation
 - WLAN Penetration Testing Techniques
 - RFID and NFC Penetration Testing Techniques
 - Mobile Device Penetration Testing Techniques
 - IoT Penetration Testing Techniques
 - Cloud Specific Penetration Testing Techniques and Recommendations
 - Cloud Specific Penetration Testing Methods
 - Penetration Testing Report Writing Process
 - Penetration Testing Reporting Formats

