Certified Wireless Security Professional (CWSP)

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Online Course

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Course Modules

1. Security Fundamentals
- Security Basics
- CWNA Security Review
- Industry Organizations
- Terminology
- Wireless Vulnerabilities

2. Wireless Security Challenges
- Network Discovery
- Pseudo-Security
- Legacy Security Mechanisms
- Network Attacks
- Recommended Practices

3. Security Policy
- Defining Security Policies
- Policy Enforcement
- Policy Management
- Policy Types

4. Understanding Authentication

- Passphrase Authentication
- AAA
- RBAC
- RADIUS
- 802.1X
- EAP

5. Authentication and Key Management

- Robust Security Networks (RSN)
- RSN Information Element
- RSN Authentication and Key Management (AKM)

6. Encryption

- Encryption Fundamentals
- Encryption Algorithms
- WEP
- TKIP
- CCMP

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7. Security Design Scenarios

- Virtual Private Networks (VPN)
- Remote Networking
- Guest Access Networks

8. Secure Roaming

- Roaming Basics and Terminology
- Preauthentication
- PMK Caching
- Opportunistic Key Caching (OKC)
- 802.11r FT
- Proprietary Roaming
- Voice Enterprise

9. sNetwork Monitoring

- Wireless Intrusion Prevention Systems (WIPS)
- WIPS Deployment Models
- WIPS Policy
- Threat Mitigation
- Location Services
- WNMS
- Protocol Analysis
- Spectrum Analysis

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in terms of time management,
flexibility, and the ability
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