WingSlide
Your Growth Partner

CYBER SECURITY

FOR PROFESSIONALS

Contact Us

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✓ **Job Assistance Provided**

Project submitted by Wingslide Technologies in partnership with Design Shore Technologies.
Branches in NZ & AUS

Cyber Security for Professionals: Master Advanced Defense, Offense, and Strategy

Elevate your cybersecurity expertise with our advanced program designed for experienced IT and security professionals. Dive deep into nation-state threats, advanced penetration testing, and malware reverse engineering while mastering SOC operations, cloud security engineering, and zero trust architectures. Gain hands-on proficiency with cutting-edge tools like Cobalt Strike, Splunk, Volatility, ScoutSuite, and Burp Suite Pro. Explore cryptographic security, DFIR methodologies, and purple team operations to sharpen both offensive and defensive skills. Learn to lead security programs, align with global compliance standards, and engineer enterprise-grade security strategies. This program equips you to defend, hunt, and outsmart modern cyber adversaries at the highest level.

Tools We Cover by Category

- **Offensive** - Cobalt Strike, Nmap, Burp Suite Pro, Empire, Mimikatz
- **Defensive** - Wazuh, ELK, Splunk, OSSEC, Suricata, YARA
- **Forensics** - Autopsy, Volatility, FTK Imager
- **Cloud** - ScoutSuite, Prowler, CloudSploit, kube-hunter
- **Governance** - GRC Tools (RSA Archer, ServiceNow GRC)

COURSES DETAILS

1. Advanced Cyber Threat Landscape

- Nation-State Actors, APTs (Advanced Persistent Threats)
- Threat Intelligence Frameworks (MITRE ATT&CK, STIX, TAXII)
- Threat Hunting Methodologies
- Cyber Kill Chain & TTP Analysis
- Dark Web Threat Monitoring
- Threat Intelligence Platforms (TIPs) and Tools

2. Advanced Penetration Testing & Exploit Development

- Advanced Recon and Target Profiling
- Buffer Overflows & Binary Exploitation
- Reverse Engineering (Ghidra, IDA Pro, Radare2)
- Exploit Frameworks: Metasploit, ExploitDB, Immunity CANVAS

- Web Application Pentesting (Beyond OWASP Top 10)
- Wi-Fi, Mobile & IoT Pentesting
- Custom Payload Development (Shellcode, AV Evasion)

3. Advanced Network & Infrastructure Security

- Advanced Firewall Architectures & Rule Optimization
- Deep Packet Inspection (DPI) and Traffic Analysis
- Network Segmentation & Micro-Segmentation
- VLAN Hopping, ARP Spoofing, DNS Poisoning
- Advanced VPN & Zero Trust Network Access (ZTNA)
- Secure SD-WAN Architectures

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STUDY ANYTIME, ANYWHERE

ONLINE
OR
OFFLINE

Attend offline or live online classes with recordings for easy revision.

4. Malware Analysis & Reverse Engineering

- Static & Dynamic Malware Analysis
- Behavior Analysis (Cuckoo Sandbox, ANY.RUN)
- Memory Forensics (Volatility, Rekall)
- Malware Obfuscation & Packing Techniques
- Rootkits, Keyloggers, and Ransomware
- Signature vs Heuristic vs Behavioral Detection

5. Advanced Cryptography & Key Management

- Cryptographic Attacks (Padding Oracle, CBC Bit Flipping, Bleichenbacher)
- Secure Key Lifecycle Management
- PKI Infrastructure Design
- HSMs and Hardware-Based Crypto
- Blockchain Security, Smart Contracts

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- Post-Quantum Cryptography Overview

6. Security Operations Center (SOC) & SIEM Engineering

- Log Normalization and Correlation
- Custom Rule Writing (Snort, Suricata, Sigma)
- Advanced SIEM Use Cases (Splunk, ELK, QRadar)
- Threat Detection Engineering
- Deception Technologies (Honeypots, Canarytokens)
- MITRE ATT&CK Mapping to Detections

7. Digital Forensics & Incident Response (DFIR)

- Triage and Live Forensics
- Disk and Memory Forensics (Autopsy, FTK, X-Ways)
- Chain of Custody & Legal Considerations
- Ransomware Forensics

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- Incident Response Lifecycle (NIST 800-61)
- Tabletop Exercises and War-Gaming

8. Cloud Security Engineering

- CSPM, CWPP, CNAPP Architectures
- AWS/GCP/Azure: IAM, KMS, VPC Security
- Multi-Cloud Security Challenges
- Kubernetes & Container Security (Kube-Bench, Falco, Aqua)
- CI/CD Pipeline Hardening (GitLeaks, Snyk, Trivy)
- Cloud Attack Simulation (CloudGoat, MadBucket)

9. Identity, Access Management & Zero Trust

- Federation, SAML, OAuth, OIDC
- Conditional Access, MFA, Passwordless Auth
- PAM (Privileged Access Management) Solutions

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- Identity Governance (IGA) and Lifecycle
- Zero Trust Implementation Frameworks
- Attack Paths via Misconfigured IAM

10. Risk Management, Governance, and Compliance

- Risk Assessment Methodologies (FAIR, NIST RMF, OCTAVE)
- Security Auditing & Gap Analysis
- Compliance Frameworks (SOX, PCI DSS, HIPAA, ISO 27001, FedRAMP)
- Vendor Risk Management & SLA Reviews
- Security Policy Writing & Governance Models
- Business Impact Analysis (BIA) & Security Metrics

11. Cyber Security Leadership & Strategy

- Building Security Programs & Budgets
- Security Awareness Programs

- DevSecOps Strategy and Cultural Shift
- Maturity Models (C2M2, NIST CSF)
- Board-Level Reporting and KPIs
- Cyber Insurance and Legal Risk

12. Red vs Blue vs Purple Team Operations

- Red Team Infrastructure (C2 Servers, OPSEC, Payload Delivery)
- Blue Team Defense Strategies and Automation
- Purple Teaming (ATT&CK Simulation, Detection Tuning)
- Breach and Attack Simulation Tools (Caldera, Atomic Red Team)
- Collaborative Threat Emulation
- Adversary Emulation Plans

Ready to Take Your Cybersecurity Expertise to the Next Level?

Join the program today and turn your passion into a rewarding career!

Why Choose Wingslide ?

- **Hands-On Learning:** Simulate advanced cyber attacks, reverse-engineer malware, and secure complex networks using tools like Cobalt Strike, Splunk, Volatility, and Burp Suite Pro. Gain real-world experience in offensive, defensive, and forensic operations across enterprise environments.
- **Industry-Standard Tools:** Master elite cybersecurity tools like Cobalt Strike, Burp Suite Pro, Splunk, Volatility, and ScoutSuite, along with advanced SIEM, threat hunting, and forensic platforms used by top security teams worldwide.
- **Advanced Concepts:** Learn to hunt advanced threats, engineer secure architectures, implement Zero Trust, and lead incident response using cutting-edge strategies for both cloud and enterprise environments.

Start your advanced Cyber Security training at Wingslide to master the skills needed to anticipate, counter, and neutralize complex threats in any environment.

At Wingslide, we equip professionals with the expertise to anticipate, counter, and mitigate advanced cyber threats. Gain mastery of cutting-edge tools, offensive and defensive strategies, and leadership skills to secure critical infrastructure in today's high-stakes digital world.

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