

SANS CYBER DEFENCE Japan 2017

10-15 July

The Most Trusted Name for Information
Security Training and Certification Worldwide

For further information, contact:

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SEC504

Hacker Tools, Techniques, Exploits, and Incident Handling

10-15 July | GIAC Cert: GCIH | George Bakos & Zach Matthis

By helping you understand attackers' tactics and strategies in detail, giving you hands-on experience in finding vulnerabilities and discovering intrusions, and equipping you with a comprehensive incident handling plan, this course helps you turn the tables on computer attackers. It addresses the latest cutting-edge insidious attack vectors, the "oldie-but-goodie" attacks that are still prevalent, and everything in between. Instead of merely teaching a few hack attack tricks, this course provides a time-tested, step-by-step process for responding to computer incidents, and a detailed description of how attackers undermine systems so you can prepare, detect, and respond to them.

SEC575

Mobile Device Security and Ethical Hacking

10-15 July | GIAC Cert: GMOB | Tim Medin

This course is designed to give you the skills you need to understand the security strengths and weaknesses in Apple iOS, Android, and wearable devices including Apple Watch and Android Wear. With these skills, you will evaluate the security weaknesses of built-in and third-party applications. You'll learn how to bypass platform encryption, and how to manipulate Android apps to circumvent obfuscation techniques. You'll leverage automated and manual mobile application analysis tools to identify deficiencies in mobile app network traffic, file system storage, and inter-app communication channels. You'll safely work with mobile malware samples to understand the data exposure and access threats affecting Android and iOS devices, and you'll exploit lost or stolen devices to harvest sensitive mobile application data.

Taught in Japanese Language

SEC401

Security Essentials Bootcamp Style

5-7 & 12-14 July | GIAC Cert: GSEC | Satoshi Hayashi & Masafumi Negishi

Learn the most effective steps to prevent attacks and detect adversaries with actionable techniques that you can directly apply when you get back to work. Learn tips and tricks from the experts so that you can win the battle against the wide range of cyber adversaries that want to harm your environment. SEC401 is focused on teaching you the essential information security skills and techniques you need to protect and secure your organization's critical information assets and business systems. Our course will show you how to prevent your organization's security problems from being headline news!

**"This course is an eye opener for anyone who cares about
securing their information today!"**

-DON CERVONE, BRIDGEWATER ASSOCIATES

SEC660

Advanced Penetration Testing, Exploit Writing, and Ethical Hacking

10-15 July | GIAC Cert: GXPN | Stephen Sims

This course is designed as a logical progression point for those who have completed SANS SEC560, or for those with existing penetration testing experience. Students with the prerequisite knowledge to take this course will walk through dozens of real-world attacks used by the most seasoned penetration testers. The methodology of a given attack is discussed, followed by exercises in a real-world lab environment to solidify advanced concepts and allow for the immediate application of techniques in the workplace. Each day includes a two-hour evening bootcamp to allow for additional mastery of the techniques discussed and even more hands-on exercises. A sample of topics covered includes weaponizing Python for penetration testers, attacks against network access control (NAC) and VLAN manipulation, network device exploitation, breaking out of Linux and Windows restricted environments, IPv6, Linux privilege escalation and exploit-writing, testing cryptographic implementations, fuzzing, defeating modern OS controls such as ASLR and DEP, return-oriented programming (ROP), Windows exploit-writing, and much more!



Training Roadmap | Choose Your Path

Please join
us for the first
Core NetWars
Experience
in Japan!

CORE
NETWARS
EXPERIENCE

13-14 July, 18:00 - 21:00

Led by Tim Medin

Core NetWars is a computer and network security challenge designed to test a participant's experience and skills in a safe environment while having a little fun with your fellow IT security professionals. Many enterprises, government agencies, and military bases are using NetWars to help identify skilled personnel and as part of extensive hands-on training.

NetWars Coin for Winners!



Baseline Skills

Intermediate Job Roles

Crucial Skills, Specialized Roles

2 You are experienced in security, preparing for a specialized job role or focus

SANS' comprehensive course offerings enable professionals to deepen their technical skills in key practice areas. The courses also address other topics and audiences, such as security training for software developers, industrial control engineers, and non-technical personnel in management, legal, and audit.

3 You are a candidate for specialized or advanced training

1 You are experienced in technology, but need to learn hands-on, essential security skills and techniques

Core Security Techniques Defend & Maintain

Every security professional should know the defense-in-depth techniques taught in SEC401, and SEC504 completes the "offense informs defense" preparation that teaches defense specialists how attacks occur and how to respond, if you've got the core defense skills, start with SEC504.

SEC401 Security Essentials Bootcamp Style
GSEC Certification Security Essentials

SEC504 Hacker Tools, Techniques, Exploits, and Incident Handling
GCIH Certification Certified Incident Handler

1b You will be responsible for managing security teams or implementations, but you do not require hands-on skills

Security Management

MGT12 SANS Security Leadership Essentials for Managers with Knowledge Compression™
GSLS Certification Security Leadership

SEC566 Implementing and Auditing the Critical Security Controls – In-Depth
GCCC Certification Critical Security Controls

New to Cybersecurity?

SEC301 Intro to Information Security
GISF Certification Information Security Fundamentals

Security Monitoring & Detection

SEC503 Intrusion Detection In-Depth
GCIAC Certification Certified Intrusion Analyst

SEC511 Continuous Monitoring and Security Operations
GMON Certification Continuous Monitoring

Penetration Testing & Vulnerability Analysis

SEC560 Network Penetration Testing and Ethical Hacking
GPEN Certification Penetration Tester

SEC542 Web App Penetration Testing and Ethical Hacking
GIWAPT Certification Web Application Penetration Tester

Incident Response and Enterprise Forensics

FOR508 Advanced Digital Forensics, Incident Response, and Threat Hunting
GCFA Certification Forensic Analyst

FOR572 Advanced Network Forensics and Analysis
GNFA Certification Network Forensic Analyst

Cyber Defense Operations

SEC501 Advanced Security Essentials – Enterprise Defender
GCED

SEC505 Securing Windows and PowerShell Automation
GCWN

SEC506 Securing Linux/Unix | **GCUX**

SEC566 Implementing and Auditing the Critical Security Controls – In-Depth | **GCCC**

SEC579 Virtualization and Software-Defined Security

Penetration Testing & Ethical Hacking

SEC550 Active Defense, Offensive Countermeasures and Cyber Deception

SEC561 Immersive Hands-On Hacking Techniques

SEC562 CyberCity Hands-on Kinetic Cyber Range Exercise

SEC573 Automating Information Security with Python | **GPYC**

SEC575 Mobile Device Security and Ethical Hacking | **GMOB**

Industrial Control Systems Security

ICS410 ICS/SCADA Security Essentials | **GICSP**

ICS456 Essentials for NERC Critical Infrastructure Protection

ICS515 ICS Active Defense and Incident Response | **GRID**

Software Security

DEV522 Defending Web Applications Security Essentials
GWFB

DEV541 Secure Coding in Java/JEE: Developing Defensible Applications | **GSSP-JAVA**

DEV544 Secure Coding in .NET: Developing Defensible Applications | **GSSP-.NET**

Management

MGT514 IT Security Strategic Planning, Policy, and Leadership

MGT517 Managing Security Operations: Detection, Response, and Intelligence

MGT525 IT Project Management, Effective Communication, and PMP® Exam Prep | **GCPM**

Audit | Legal

AUD507 Auditing & Monitoring Networks, Perimeters, and Systems | **GSNA**

SEC566 Implementing and Auditing the Critical Security Controls – In-Depth | **GCCC**

LEG523 Law of Data Security and Investigations | **GLEG**