

Training Roadmap | Choose Your Path

Baseline Skills

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

MGT512 SANS Security Leadership Essentials for Managers with Knowledge Compression™ | **GSLC** 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

Focus Job Roles

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

Security Monitoring & Detection

SEC503 Intrusion Detection In-Depth | **GCIA** 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 | **GWAPT** 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

MGT414 SANS Training Program for CISSP® Certification | **GISP** Certification Information Security Professional

Crucial Skills, Specialized Roles

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

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
- SEC573** Automating Information Security with Python | **GPYC**
- SEC575** Mobile Device Security and Ethical Hacking | **GMOB**

Digital Forensics and Incident Response

- FOR500** (formerly FOR408) Windows Forensic Analysis | **GCFE**
- FOR518** Mac Forensic Analysis
- FOR526** Memory Forensics In-Depth
- FOR578** Cyber Threat Intelligence (Cert. Coming Soon)
- FOR585** Advanced Smartphone Forensics | **GASF**
- FOR610** Reverse-Engineering Malware: Malware Analysis Tools and Techniques | **GREM**

Management

- MGT514** IT Security Strategic Planning, Policy, and Leadership | **GSTRT**
- MGT517** Managing Security Operations: Detection, Response, and Intelligence
- MGT525** IT Project Management, Effective Communication, and PMP® Exam Prep | **GCPM**

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 | **GWEB**
- DEV541** Secure Coding in Java/JEE: Developing Defensible Applications | **GSSP-JAVA**
- DEV544** Secure Coding in .NET: Developing Defensible Applications | **GSSP-.NET**

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**