



The most trusted source for cybersecurity training, certifications, degrees, and research

SANS

Cyber Defense Initiative®

December 13–18, 2024

Washington, DC & Virtual (ET)



40 Hands-On Cybersecurity Courses Taught by Industry Experts

Attend In-Person at the venue in Washington, DC or Live Online

Discover the most effective steps to prevent cyber-attacks and detect adversaries with actionable techniques taught by top practitioners during **SANS Cyber Defense Initiative 2024**. Choose your course and register now for hands-on training you can use immediately.

SANS Cyber Defense Initiative® 2024 Features

- In-Person or Live Online training
- Take your training at the training venue with professional support
- Practical cybersecurity training taught by real-world practitioners
- Hands-on labs in a virtual environment
- Courses include electronic and printed books
- Several courses align with GIAC certifications

Training Modalities

Live Online

SANS Live Online training offers live, interactive streaming sessions delivered directly from your instructor. It features many of the activities that SANS students love at training events, such as bonus topical presentations, cyber range challenges, networking via chat channels, and live access to top SANS instructors. Live Online is a flexible and fun way to learn.

In-Person

In-Person training offers students the chance to study in a focused environment without distraction but perhaps most importantly, they offer a direct access to SANS's world-leading instructors.

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NETWARS

NetWars Tournament

We are hosting NetWars Tournaments “in-person” during this event. These tournaments are only available in-person, and as a paid course registrant, you’ll be eligible to participate for FREE. Space is limited. No attendance options are available for Live Online course registrants.

sans.org/cyber-ranges

“Having an SME instructor with tons of real-world experience makes the course material easy to digest, and the Live Online platform is the best platform I’ve experienced!”

—Jeremy Swanson, ManTech

COURSES OFFERED ▶

www.sans.org/cyber-defense-initiative-2024



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Confirmed Courses

FOR500: Windows Forensic Analysis	GCFE	GIAC Certified Forensic Examiner giac.org/gcfe	
FOR508: Advanced Incident Response, Threat Hunting, and Digital Forensics UPDATED	GCFA	GIAC Certified Forensic Analyst giac.org/gcfa	
FOR509: Enterprise Cloud Forensics and Incident Response UPDATED	GCFR	GIAC Cloud Forensics Responder giac.org/gcfr	
FOR578: Cyber Threat Intelligence	GCTI	GIAC Cyber Threat Intelligence giac.org/gcti	
FOR585: Smartphone Forensic Analysis In-Depth UPDATED	GASF	GIAC Advanced Smartphone Forensics giac.org/gasf	
FOR610: Reverse-Engineering Malware: Malware Analysis Tools and Techniques	GREM	GIAC Reverse Engineering Malware giac.org/grem	
ICS410: ICS/SCADA Security Essentials	GICSP	Global Industrial Cyber Security Professional giac.org/gicsp	
LDR414: SANS Training Program for CISSP® Certification	GISP	GIAC Information Security Professional giac.org/gisp	
LDR512: Security Leadership Essentials for Managers	GSLC	GIAC Security Leadership giac.org/gslc	
LDR514: Security Strategic Planning, Policy, and Leadership	GSTRT	GIAC Strategic Planning, Policy, and Leadership giac.org/gstrt	
LDR516: Building and Leading Vulnerability Management Programs			
LDR520: Cloud Security for Leaders NEW			
LDR551: Building and Leading Security Operations Centers	GSOM	GIAC Security Operations Manager giac.org/gsom	
LDR553: Cyber Incident Management NEW			










Confirmed Courses

SEC301: Introduction to Cyber Security	GISF	GIAC Information Security Fundamentals giac.org/gisf	
SEC401: Security Essentials – Network, Endpoint, and Cloud UPDATED	GSEC	GIAC Security Essentials giac.org/gsec	
SEC450: Blue Team Fundamentals: Security Operations and Analysis	GSOC	GIAC Security Operations Certified giac.org/gsoc	
SEC488: Cloud Security Essentials	GCLD	GIAC Cloud Security Essentials giac.org/gcld	
SEC497: Practical Open-Source Intelligence (OSINT)	GOSI	GIAC Open Source Intelligence giac.org/gosi	
SEC503: Network Monitoring and Threat Detection In-Depth	GCIA	GIAC Certified Intrusion Analyst giac.org/gcia	
SEC504: Hacker Tools, Techniques, and Incident Handling	GCIH	GIAC Certified Incident Handler giac.org/gcih	
SEC510: Cloud Security Controls and Mitigations	GPCS	GIAC Public Cloud Security giac.org/gpcs	
SEC511: Continuous Monitoring and Security Operations	GMON	GIAC Continuous Monitoring Certification giac.org/gmon	
SEC522: Application Security: Securing Web Applications, APIs, and Microservices	GWEB	GIAC Certified Web Application Defender giac.org/gweb	
SEC530: Defensible Security Architecture and Engineering: Implementing Zero Trust for the Hybrid Enterprise	GDSA	GIAC Defensible Security Architecture giac.org/gdsa	
SEC540: Cloud Security and DevSecOps Automation UPDATED	GCSA	GIAC Cloud Security Automation giac.org/gcsa	
SEC541: Cloud Security Threat Detection UPDATED	GCTD	GIAC Cloud Threat Detection giac.org/gctd	
SEC542: Web App Penetration Testing and Ethical Hacking	GWAPT	GIAC Web Application Penetration Tester giac.org/gwapt	



Confirmed Courses

SEC549: Cloud Security Architecture NEW			
SEC560: Enterprise Penetration Testing	GPEN	GIAC Penetration Tester giac.org/gpen	
SEC565: Red Team Operations and Adversary Emulation NEW	G RTP	GIAC Red Team Professional giac.org/grtp	
SEC566: Implementing and Auditing CIS Controls	GCCC	GIAC Critical Controls Certification giac.org/gccc	
SEC568: Product Security Penetration Testing – Safeguarding Supply Chains and Managing Third-Party Risk NEW			
SEC573: Automating Information Security with Python	GPYC	GIAC Python Coder giac.org/gpyc	
SEC587: Advanced Open-Source Intelligence (OSINT) Gathering and Analysis UPDATED			
SEC588: Cloud Penetration Testing	GCPN	GIAC Cloud Penetration Tester giac.org/gcpn	
SEC595: Applied Data Science and AI/Machine Learning for Cybersecurity Professionals	GMLE	GIAC Machine Learning Engineer giac.org/gmle	
SEC660: Advanced Penetration Testing, Exploit Writing, and Ethical Hacking	GXPEN	GIAC Exploit Researcher and Adv. Penetration Tester giac.org/gxpen	
SEC670: Red Teaming Tools – Developing Windows Implants, Shellcode, Command and Control NEW			
SEC673: Advanced Information Security Automation with Python NEW			

“The real value of this training lies at the intersection of quality content and delivery by a subject-matter expert actively working in the field, making it incredibly relevant and immediately applicable to my job.”

—P. Watson, Microsoft Corp

