SANS

The Most Trusted Source for Information Security Training, Certification, and Research

Training Budget Expiring Soon?

Choose from these upcoming SANS information security courses in the DC region!

LOOK INSIDE FOR LOCAL, IMMEDIATE TRAINING THAT MEETS DOD DIRECTIVES FOR GOVERNMENT AND MILITARY IT SECURITY PROFESSIONALS.

Five Events:

Virginia Beach
Aug 21 - Sep 1

Baltimore Fall
Sep 25-30

Tysons Corner Fall
McLean, VA | Oct 14-21

Pen Test Hackfest
Bethesda, MD | Nov 13-20

Cyber Defense Initiative
Washington, D.C. | Dec 12-19

68 Courses on:

CYBER DEFENSE

DETECTION & MONITORING

PENETRATION TESTING

INCIDENT RESPONSE

CYBER THREAT INTELLIGENCE

ETHICAL HACKING

MANAGEMENT

SECURE DEVELOPMENT

ICS/SCADA SECURITY

SIEM

GIAC CERTIFICATIONS

SANS NETWARS EXPERIENCE

More Locations Available at www.sans.org

www.sans.org/dcmetro

COURSE SCHEDULE
with instructor names

	Course	Virginia Beach Virginia Beach, VA Aug 21 - Sep 1	Baltimore Fall Baltimore, MD Sep 25-30	Tysons Corner Fall McLean, VA Oct 14-21	Pen Test Hackfest Bethesda, MD Nov 13-20	CDI Washington, D.C. Dec 12-19
CYBER DEFENSE OPERATIONS	**SEC301:** Intro to Information Security | **GISF**		Nguyen	Palmgren		Palmgren
	SEC401: Security Essentials Bootcamp Style | **GSEC**	Dr. Cole	Galbraith	Simon		Simon
	SEC440: Critical Security Controls: Planning, Implementing & Auditing					Eubanks
	SEC501: Advanced Security Essentials – Enterprise Defender **GCED**	Henry	Henry		Henry	Henry
	SEC503: Intrusion Detection In-Depth | **GCIA**	Dr. Ullrich	Dr. Ullrich			Hoelzer
	SEC505: Securing Windows & PowerShell Automation | **GCWN**	Fossen				Fossen
	SEC511: Continuous Monitoring and Security Operations | **GMON**	Conrad				Conrad
	SEC545: Cloud Security Architecture and Operations					Shackleford
	SEC546: IPv6 Essentials					Dr. Ullrich
	SEC555: SIEM with Tactical Analytics	Henderson & Misenar				Misenar
	SEC566: Implementing and Auditing the Critical Security Controls - In-Depth | **GCCC**			Tarala		Tarala
PENETRATION TESTING	**SEC460:** Enterprise Threat and Vulnerability Assessment					de Beaupre
	SEC504: Hacker Tools, Techniques, Exploits, and Incident Handling | **GCIH**	Fiscus	Mashburn		Fiscus	Murr
	SEC542: Web App Penetration Testing & Ethical Hacking **GWAPT**	Hernandez		Hadary		Hoffman
	SEC550: Active Defense, Offensive Countermeasures & Cyber Deception					Galbraith
	SEC560: Network Penetration Testing & Ethical Hacking | **GPEN**	Fiscus	McJunkin		Skoudis	Fiscus
	SEC564: Red Team Operations and Threat Emulation			Vest		Galbraith
	SEC567: Social Engineering for Penetration Testers					Hoffman
	SEC573: Automating Information Security with Python | **GPYC**				Murr	
	SEC575: Mobile Device Security and Ethical Hacking | **GMOB**			J. Wright		Crowley
	SEC580: Metasploit Kung Fu for Enterprise Pen Testing			Fiscus		Fiscus
	SEC617: Wireless Ethical Hacking, Penetration Testing, and Defenses **GAWN**				Pesce	
	SEC642: Advanced Web App Penetration Testing, Ethical Hacking, and Exploitation Techniques				de Beaupre	Searle
	SEC660: Advanced Penetration Testing, Exploit Writing, and Ethical Hacking | **GXPN**				Lyne	Sims
	SEC760: Advanced Exploit Development for Penetration Testers				Sims	
DIGITAL FORENSICS & IR	**FOR500:** Windows Forensic Analysis (FORMERLY FOR408) | **GCFE**	Rob Lee	Cowen			Carroll
	FOR508: Advanced Digital Forensics, Incident Response, and Threat Hunting | **GCFA**	Tilbury		Zimmerman		Tilbury
	FOR526: Memory Forensics In-Depth					Torres
	FOR572: Advanced Network Forensics and Analysis | **GNFA**	R. Johnson				Hagen
	FOR578: Cyber Threat Intelligence | **GCTI**	Szczepankiewicz		Robert M. Lee		Williams
	FOR585: Advanced Smartphone Forensics					Mahalik
	FOR610: Reverse-Engineering Malware: Malware Analysis Tools and Techniques | **GREM**	Zeltser & Dygert	Soni			Zeltser
MANAGEMENT	**MGT414:** SANS Training Program for CISSP® Certification | **GISP**		Miller			Miller
	MGT415: A Practical Introduction to Cyber Security Risk Management					Tarala
	MGT433: Securing The Human: How to Build, Maintain and Measure a High-Impact Awareness Program					Spitzner
	MGT512: SANS Security Leadership Essentials for Managers with Knowledge Compression™ | **GSLC**	Hardy		Hardy		Hardy
	MGT514: IT Security Strategic Planning, Policy, and Leadership | **GSTRT**		Hardy			Kim
	MGT517: Managing Security Operations: Detection, Response, and Intelligence	Crowley				
APPSEC	**DEV522:** Defending Web Applications Security Essentials | **GWEB**					Dr. Ullrich
	DEV534: Secure DevOps: A Practical Introduction					E. Johnson
ICS	**ICS410:** ICS/SCADA Security Essentials | **GICSP**					Rios
	ICS515: ICS Active Defense and Incident Response | **GRID**					Robert M. Lee
	NetWars	Core			Core CyberCity	Core DFIR Cyber Defense

Simulcast available

Department of Defense Directive 8570
(DoDD 8140)

Department of Defense Directive 8570 has been replaced by the DoD CIO and is now DoDD 8140. DoDD 8570 is now part of a larger initiative that falls under the guidelines of DoDD 8140. DoDD 8140 provides guidance and procedures for the training, certification, and management of all government employees who conduct Information Assurance functions in assigned duty positions. These individuals are required to carry an approved certification for their particular job classification. GIAC certifications are among those required for Technical, Management, CND, and IASAE classifications.

Compliance/Recertification:

To stay compliant with DoDD 8140 requirements, you must maintain your certifications. GIAC certifications are renewable every four years.
Go to **www.giac.org** to learn more about certification renewal.

DoD Baseline IA Certifications

IAT Level I	IAT Level II	IAT Level III		IAM Level I	IAM Level II	IAM Level III
A+CE	**GSEC**	**GCED**		**GSLC**	**GSLC**	**GSLC**
Network+CE	Security+CE	**GCIH**		CAP	**CISSP**	**CISSP**
SSCP	SSCP	**CISSP**		Security+CE	(or Associate)	(or Associate)
		(or Associate)			CAP, CASP	CISM
		CISA, CASP			CISM	

Computer Network Defense (CND) Certifications

CND Analyst	CND Infrastructure Support	CND Incident Responder	CND Auditor	CND Service Provider Manager
GCIA	SSCP	**GCIH**	**GSNA**	CISSP - ISSMP
GCIH	CEH	**GCFA**	CISA	CISM
CEH		CSIH, CEH	CEH	

Information Assurance System Architecture & Engineering (IASAE) Certifications

IASAE I	IASAE II	IASAE III
CISSP	**CISSP**	CISSP - ISSEP
(or Associate)	(or Associate)	CISSP - ISSAP
CASP, CSSCP	CASP, CSSLP	

Computer Environment (CE) Certifications

GCWN	**GCUX**

SANS Training Courses for DoDD-Approved Certifications

SANS TRAINING COURSE		DoDD APPROVED CERT
SEC401	Security Essentials Bootcamp Style	**GSEC**
SEC501	Advanced Security Essentials – Enterprise Defender	**GCED**
SEC503	Intrusion Detection In-Depth	**GCIA**
SEC504	Hacker Tools, Techniques, Exploits, and Incident Handling	**GCIH**
SEC505	Securing Windows and PowerShell Automation	**GCWN**
SEC506	Securing Linux/Unix	**GCUX**
AUD507	Auditing & Monitoring Networks, Perimeters, and Systems	**GSNA**
FOR508	Advanced Digital Forensics, Incident Response, and Threat Hunting	**GCFA**
MGT414	SANS Training Program for CISSP® Certification	**CISSP**
MGT512	SANS Security Leadership Essentials for Managers with Knowledge Compression™	**GSLC**

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VIRGINIA BEACH 2017

August 21 – September 1

SEC401: Security Essentials Bootcamp Style | **GSEC**

SEC501: Advanced Security Essentials – Enterprise Defender | **GCED**

SEC503: Intrusion Detection In-Depth | **GCIA** *NEW!*

SEC505: Securing Windows & PowerShell Automation | **GCWN**

SEC511: Continuous Monitoring and Security Operations | **GMON**

SEC555: SIEM with Tactical Analytics *NEW!*

SEC504: Hacker Tools, Techniques, Exploits, and Incident Handling | **GCIH**

SEC542: Web App Penetration Testing & Ethical Hacking | **GWAPT**

SEC560: Network Penetration Testing & Ethical Hacking | **GPEN**

FOR500: Windows Forensic Analysis | **GCFE**

FOR508: Advanced Digital Forensics, Incident Response, and Threat Hunting | **GCFA**

FOR572: Advanced Network Forensics and Analysis | **GNFA**

FOR578: Cyber Threat Intelligence | **GCTI**

FOR610: Reverse-Engineering Malware: Malware Analysis Tools and Techniques | **GREM** *NEW!*

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

MGT517: Managing Security Operations: Detection, Response, and Intelligence *NEW!*

"You can't beat the quality of SANS courses and instructors. I returned to work with a new malware case and was able to implement the skills learned in class on day one. Invaluable!"

-MELISSA SOKOLOWSKI, XEROX

Core NetWars EXPERIENCE

www.sans.org/virginia-beach

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BALTIMORE FALL 2017
September 25–30

SEC301: Intro to Information Security | **GISF**

SEC401: Security Essentials Bootcamp Style | **GSEC**

SEC501: Advanced Security Essentials – Enterprise Defender | **GCED**

SEC503: Intrusion Detection In-Depth | **GCIA** *NEW!*

SEC504: Hacker Tools, Techniques, Exploits, and Incident Handling | **GCIH**

SEC560: Network Penetration Testing & Ethical Hacking | **GPEN**

FOR500: Windows Forensic Analysis | **GCFE**

FOR610: Reverse-Engineering Malware: Malware Analysis Tools & Techniques | **GREM** *NEW!*

MGT414: SANS Training Program for CISSP® Certification | **GISP**

MGT514: IT Security Strategic Planning, Policy, and Leadership | **GSTRT**

"SANS has some of the best security-related classes I have ever been to. The instructors are excellent and the material is always current."
-Daniel Touchette, Enterprise Holdings, Inc.

www.sans.org/baltimore-fall

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TYSONS CORNER FALL 2017

McLean, VA | October 14-21

SEC301: Intro to Information Security | **GISF**

SEC401: Security Essentials Bootcamp Style | **GSEC**

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

SEC542: Web App Penetration Testing & Ethical Hacking | **GWAPT**

SEC564: Red Team Operations and Threat Emulation *NEW!*

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

SEC580: Metasploit Kung Fu for Enterprise Pen Testing

FOR508: Advanced Digital Forensics, Incident Response, and Threat Hunting | **GCFA**

FOR578: Cyber Threat Intelligence | **GCTI**

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

"**SANS provides the education that any and all security organizations absolutely must have to succeed.**"

-Thomas L., U.S. Air Force

www.sans.org/tysons-corner-2017

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PEN TEST HACKFEST 2017
Bethesda, MD | November 13-20

SEC501: Advanced Security Essentials – Enterprise Defender | **GCED**

SEC504: Hacker Tools, Techniques, Exploits, and Incident Handling | **GCIH**

SEC560: Network Penetration Testing & Ethical Hacking | **GPEN**

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

SEC617: Wireless Ethical Hacking, Penetration Testing, and Defenses | **GAWN**

SEC642: Advanced Web App Penetration Testing, Ethical Hacking, and Exploitation Techniques

SEC660: Advanced Penetration Testing, Exploit Writing, and Ethical Hacking | **GXPN**

SEC760: Advanced Exploit Development for Penetration Testers

Pen Test Hackfest Summit

"I have had nothing but great experiences with SANS and always come away from classes and Summits with a TON of new things to read, research, and play with that makes me a better security professional."

-Daniel Bougere, Securicon, LLC

Core NETWARS EXPERIENCE

CyberCity

www.sans.org/pen-test-hackfest

SANS

CYBER DEFENSE INITIATIVE 2017
Washington, D.C. | December 12-19

Protect Your Business and Advance Your Career

35+ hands-on, immersion-style information security courses taught by real-world practitioners

CYBER DEFENSE	ETHICAL HACKING
DETECTION & MONITORING	MANAGEMENT
PENETRATION TESTING	SECURE DEVELOPMENT
INCIDENT RESPONSE	ICS/SCADA SECURITY
CYBER THREAT INTELLIGENCE	SIEM

"If you desire the best training and education, along with professional peer networking, SANS is where you belong."

-BILL O., U.S. DEPARTMENT OF JUSTICE

SANS NETWARS EXPERIENCE

www.sans.org/cdi

SANS Training Formats

Whether you choose to attend a training class live or online, the entire SANS team is dedicated to ensuring your training experience exceeds expectations.

Live Classroom Instruction

Premier Training Events

Our most recommended format, live SANS training events feature SANS's top instructors teaching multiple courses at a single time and location. This allows for:
- Focused, immersive learning without the distractions of your office environment
- Direct access to SANS Certified Instructors
- Interacting with and learning from other professionals
- Attending SANS@Night events, NetWars tournaments, vendor presentations, industry receptions, and many other activities

Our premier live training events in North America, serving thousands of students, are held in Orlando, Washington D.C., Las Vegas, New Orleans, and San Diego. Regional events with hundreds of students are held in most major metropolitan areas during the year.

Summits

SANS Summits focus one or two days on a single topic of particular interest to the community. Speakers and talks are curated to ensure the greatest applicability to participants.

Community SANS Courses

Same SANS courses, courseware, and labs are taught by up-and-coming instructors in a regional area. Smaller classes allow for more extensive instructor interaction. No need to travel; commute each day to a nearby location.

Private Classes

Bring a SANS Certified Instructor to your location to train a group of your employees in your own environment. Save on travel, and address sensitive issues or security concerns in your own environment.

Online Training

SANS Online successfully delivers the same measured learning outcomes to students at a distance that we deliver live in classrooms. More than 30 courses are available for you to take whenever or wherever you want. Thousands of students take our courses online and achieve certifications each year.

Top reasons to take SANS courses online:
- Learn at your own pace, over four months
- Spend extra time on complex topics
- Repeat labs to ensure proficiency with skills
- Save on travel costs
- Study at home or in your office

Our SANS OnDemand, vLive, Simulcast, and SelfStudy formats are backed by nearly 100 professionals who ensure we deliver the same quality instruction online (including support) as we do at live training events.

"I am thoroughly pleased with the OnDemand modality. From a learning standpoint, I lose nothing. In fact, the advantage of setting my own pace with respect to balancing work, family, and training is significant, not to mention the ability to review anything that I might have missed the first time."
-Kevin E., U.S. Army

"The decision to take five days away from the office is never easy, but so rarely have I come to the end of a course and had no regret whatsoever. This was one of the most useful weeks of my professional life."
-Dan Trueman, Novae PLC

Hotel Information

VIRGINIA BEACH 2017
Hilton Virginia Beach Oceanfront
3001 Atlantic Avenue | Virginia Beach, VA 23451 | Phone: 757-213-3000
www.sans.org/event/virginia-beach-2017/location

Refresh, work, and relax at the Hilton Virginia Beach Oceanfront hotel, conveniently located just minutes from Norfolk International Airport and right on Virginia Beach. Wander along the boardwalk, or experience great live music for free at Neptune's Park next to the hotel. Enjoy superior views of the Atlantic Ocean and surrounding areas from Sky Bar, located on the 21st floor of the hotel next to Virginia's first rooftop infinity pool. Indulge with gourmet cuisine at Salacia, Virginia's first AAA Four Diamond steakhouse, or be tempted by the freshest oysters at Catch 31.

A special discounted rate of $199.00 S/D will be honored based on space availability.

Government per diem rooms are available with proper ID; you will need to call reservations and ask for the SANS government rate. All rates include high-speed Internet in your room and are only available through **July 21, 2017**. To make reservations, please call **800-445-8667** and ask for the SANS group rate.

BALTIMORE FALL 2017
Sheraton Inner Harbor
300 South Charles Street | Baltimore, MD 21201 | Phone: 410-962-8300
www.sans.org/event/baltimore-fall-2017/location

The Sheraton Inner Harbor Hotel surrounds you with the best of Baltimore. It is steps from the magnificent Inner Harbor and Oriole Park at Camden Yards. The hotel has everything you need for a comfortable and relaxing stay.

A special discounted rate of $205.00 S/D will be honored based on space availability.

Government per diem rooms are available with proper ID. If you are a government attendee, you must call the hotel directly at **410-962-8300** to book your room and mention you are a SANS government attendee. These rates include high-speed Internet in your room and are only available through **August 24, 2017**.

TYSONS CORNER FALL 2017
Hilton McLean Tysons Corner
7920 Jones Branch Drive | McLean, VA 22102 | Phone: 703-847-5000
www.sans.org/event/tysons-corner-2017/location

Experience impeccable service at the Hilton McLean Tysons Corner hotel near Washington, D.C. This contemporary hotel is located in the center of Tysons Corner's technology corridor, between Ronald Reagan National Airport and Washington Dulles International Airport. It is also just minutes from world-class shopping at Tysons Corner Center and the Galleria Mall. Take the Silver Line Metro from the McLean Station into downtown Washington, D.C. A complimentary shuttle servicing a one-mile radius of the hotel is also provided.

A special discounted rate of $204.00 S/D will be honored based on space availability.

The group rate is currently lower than the government per diem rate. Should this change, a government rate will be available. The group rate includes high-speed Internet in your room and is only available through **September 22, 2017**.

PEN TEST HACKFEST 2017
Hyatt Regency Bethesda
One Bethesda Metro Center | 7400 Wisconsin Ave | Bethesda, MD 2081
Phone: 301-657-1234
www.sans.org/event/pen-test-hackfest-2017/location

Step into the sophistication of Hyatt Regency Bethesda. Experience a place designed around the power of connection, where guests can convene, consider, and collaborate. Located in the heart of downtown Bethesda, this hotel is ideal for both business and leisure travelers to the Washington, D.C. area. Adjacent to the hotel, you will find over 200 restaurants, theaters, galleries, and boutiques in the Bethesda Arts and Entertainment District.

A special discounted rate of $209.00 S/D will be honored based on space availability.

These rates include high-speed Internet in your room and are only available through **October 20, 2017**. A limited number of government per diem rate rooms are available with proper ID. Please contact the hotel directly for availability.

CYBER DEFENSE INITIATIVE 2017
Washington Hilton
1919 Connecticut Ave. NW | Washington, DC 20009 | Phone: 202-483-3000
www.sans.org/event/cyber-defense-initiative-2017/location

While staying at Washington Hilton, enjoy access to the city's most popular attractions and experience one of D.C.'s most vibrant neighborhoods. Walk outside the doors to explore restaurants and museums, and national attractions, or unwind in relaxing accommodations.

A special discounted rate of $209.00 S/D will be honored based on space availability.

The group rate is currently lower than the government per diem rate. Should this change, a government rate will be available. The group rate includes high-speed Internet in your room and is only available through **November 21, 2017**.

Registration Information

WE RECOMMEND YOU REGISTER EARLY
TO ENSURE YOU GET YOUR FIRST CHOICE OF COURSES.

Select your course and indicate whether you plan to test for GIAC certification. If the course is still open, the secure, online registration server will accept your registration. Sold-out courses will be removed from the online registration. Everyone with Internet access must complete the online registration form. We do not take registrations by phone.

VIRGINIA BEACH 2017: www.sans.org/virginia-beach

SANS Simulcast
To register for a SANS Virginia Beach 2017 Simulcast course, please visit
www.sans.org/event/virginia-beach-2017/attend-remotely
Courses available: SEC401 | SEC501 | SEC511 | SEC560

BALTIMORE FALL 2017: www.sans.org/baltimore-fall

Pay Early and Save*	DATE	DISCOUNT	DATE	DISCOUNT
Pay & enter code by	**8-2-17**	**$400.00**	**8-23-17**	**$200.00**

SANS Simulcast
To register for a SANS Baltimore Fall 2017 Simulcast course, please visit
www.sans.org/event/baltimore-fall-2017/attend-remotely
Courses available: SEC401 | SEC501 | SEC503 | FOR610

TYSONS CORNER FALL 2017: www.sans.org/tysons-corner-2017

Pay Early and Save*	DATE	DISCOUNT	DATE	DISCOUNT
Pay & enter code by	**8-23-17**	**$400.00**	**9-13-17**	**$200.00**

PEN TEST HACKFEST 2017: www.sans.org/pen-test-hackfest

Pay Early and Save*	DATE	DISCOUNT	DATE	DISCOUNT
Pay & enter code by	**9-27-17**	**$400.00**	**10-11-17**	**$200.00**

CYBER DEFENSE INITIATIVE 2017: www.sans.org/cdi

Pay Early and Save*	DATE	DISCOUNT	DATE	DISCOUNT
Pay & enter code by	**10-18-17**	**$400.00**	**11-8-17**	**$200.00**

SANS Simulcast
To register for a SANS Cyber Defense Initiative 2017 Simulcast course, please visit
www.sans.org/event/cyber-defense-initiative-2017/attend-remotely
Courses available: SEC401 | SEC504 | SEC542 | SEC560 | FOR572 | DEV522

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*Some restrictions apply. Early bird discounts do not apply to Hosted courses.

SANS

5705 Salem Run Blvd.
Suite 105
Fredericksburg, VA 22407

BROCHURE CODE

AFCEA

Corporate Member

As the leading provider of information defense, security, and intelligence training to military, government, and industry groups, SANS Institute is proud to be a Corporate Member of the AFCEA community.

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to enjoy these FREE resources:

WEBCASTS

Ask The Expert Webcasts – SANS experts discuss current and timely information about relevant topics in IT Security.

Analyst Webcasts – A follow-on to the SANS Analyst Program, Analyst Webcasts provide key information from our whitepapers and surveys.

WhatWorks Webcasts – The SANS WhatWorks webcasts analyze powerful customer experiences and how end users resolved specific IT Security issues.

Tool Talks – Tool Talks are designed to give you a solid understanding of a problem, and to show how a vendor's commercial tool can be used to solve or mitigate that problem.

NEWSLETTERS

NewsBites – Twice-weekly, high-level executive summaries of the most important news relevant to cybersecurity professionals

OUCH! – The world's leading free, monthly security awareness newsletter designed for the common computer user

@RISK: The Consensus Security Alert – A reliable weekly summary of (1) newly discovered attack vectors, (2) vulnerabilities with active new exploits, (3) how recent attacks worked, and (4) other valuable data

OTHER FREE RESOURCES

- InfoSec Reading Room
- Top 25 Software Errors
- 20 Critical Controls
- Security Policies
- Intrusion Detection FAQs
- Tip of the Day
- Security Posters
- Thought Leaders
- 20 Coolest Careers
- Security Glossary
- SCORE (Security Consensus Operational Readiness Evaluation)

www.sans.org/account