

# Welcome to SANS 2021



Live Online  | US Eastern Time | **NETWARS**  
March 22–27 | #SANS2021

## CLASS INFORMATION

All courses will run 9:00 AM – 5:00 PM EDT (unless noted)

### **SEC401: Security Essentials Bootcamp Style**

Instructor: Bryan Simon  
Bootcamp Hours: 5:00 PM – 7:00 PM (Course days 1–5)

### **SEC450: Blue Team Fundamentals: Security Operations and Analysis**

Instructor: John Hubbard

### **SEC460: Enterprise and Cloud | Threat and Vulnerability Assessment**

Instructors: Matthew Toussain, Nick Wiebelhaus

### **SEC487: Open-Source Intelligence (OSINT) Gathering and Analysis**

Instructor: Micah Hoffman

### **SEC488: Cloud Security Essentials**

Instructors: Ryan Nicholson, Serge Borso

### **SEC501: Advanced Security Essentials – Enterprise Defender**

Instructor: Ross Bergman  
Extended Hours: 5:00 PM – 7:00 PM (Course day 1)

### **SEC503: Intrusion Detection In-Depth**

Instructor: David Hoelzer  
Bootcamp Hours: 5:00 PM – 7:00 PM (Course days 1–5)

### **SEC504: Hacker Tools, Techniques, Exploits, and Incident Handling**

Instructor: Joshua Wright  
Extended Hours: 5:00 PM – 7:15 PM (Course day 1)

### **SEC505: Securing Windows and PowerShell Automation**

Instructor: Jason Fossen

### **SEC511: Continuous Monitoring and Security Operations**

Instructor: Seth Misenar  
Bootcamp Hours: 5:00 PM – 7:00 PM (Course days 1–5)

### **SEC530: Defensible Security Architecture and Engineering**

Instructor: Ismael Valenzuela

### **SEC542: Web App Penetration Testing and Ethical Hacking**

Instructor: Timothy McKenzie

### **SEC555: SIEM with Tactical Analytics**

Instructor: Justin Henderson

### **SEC560: Network Penetration Testing and Ethical Hacking**

Instructor: Tim Medin

### **SEC573: Automating Information Security with Python**

Instructor: Mark Baggett

### **SEC575: Mobile Device Security and Ethical Hacking**

Instructor: Christopher Crowley

### **SEC588: Cloud Penetration Testing**

Instructor: Moses Frost

### **SEC599: Defeating Advanced Adversaries – Purple Team Tactics & Kill Chain Defenses**

Instructor: Bryce Galbraith

### **SEC617: Wireless Penetration Testing and Ethical Hacking**

Instructor: Larry Pesce

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

Instructor: Stephen Sims  
Bootcamp Hours: 5:00 PM – 7:00 PM (Course days 1–5)

### **SEC699: Purple Team Tactics – Adversary Emulation for Breach Prevention & Detection**

Instructor: Erik Van Buggenhout

### **SEC760: Advanced Exploit Development for Pen Testers**

Instructor: Jaime Geiger  
Bootcamp Hours: 5:00 PM – 7:00 PM (Course days 1–5)

### **FOR308: Digital Forensics Essentials**

Instructor: Kathryn Hedley

### **FOR498: Battlefield Forensics & Data Acquisition**

Instructor: Eric Zimmerman

### **FOR500: Windows Forensic Analysis**

Instructor: Chad Tilbury

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

Instructor: Mike Pilkington

### **FOR518: Mac and iOS Forensic Analysis & Incident Response**

Instructor: Sarah Edwards

### **FOR572: Advanced Network Forensics: Threat Hunting, Analysis, and Incident Response**

Instructor: Philip Hagen

### **FOR585: Smartphone Forensic Analysis In-Depth**

Instructor: Heather Mahalik

### **FOR610: Reverse-Engineering Malware: Malware Analysis Tools and Techniques**

Instructor: Lenny Zeltser

### **MGT414: SANS Training Program for CISSP® Certification**

Instructor: Eric Conrad  
Extended Hours: 9:00 AM – 7:00 PM (Course day 1),  
8:00 AM – 7:00 PM (Course days 2-5),  
8:00 AM – 5:00 PM (Course day 6)

### **MGT525: IT Project Management & Effective Communication**

Instructor: Jeff Frisk

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## VIRTUAL NETWARS TOURNAMENTS

### Core NetWars Tournament

Host: Matthew Toussain  
March 25–26 | 6:30 PM – 9:30 PM EDT

### Cyber Defense NetWars Tournament

Hosts: Rick Ivey, Ryan Nicholson  
March 25–26 | 7:15 PM – 10:15 PM EDT

### DFIR NetWars Tournament

Hosts: Chad Tilbury, Domenica Crognale  
March 25–26 | 6:30 PM – 9:30 PM EDT

**NETWARS**

## BONUS SESSIONS

SPONSORED EVENT

### Cybersecurity Metrics:

#### The What, Why, and How of Measurement

Speaker: Jake Munroe | Monday, March 22 | 12:00–12:45 PM EDT



AXONIUS

SPONSORED EVENT

### Prevention of Phishing and Malware Distribution with Automation



Speaker: Jay Spann | Monday, March 22 | 12:45–1:30 PM EDT

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### Simplify Cloud Shift with a Next-Gen SIEM



Speaker: Jason Mical | Tuesday, March 23 | 12:00–12:45 PM EDT

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### The Non-Employee System of Record



Speaker: Cassie Christensen | Tuesday, March 23 | 12:45–1:30 PM EDT

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### Neutralizing Breach Paths with Cyber Threat Intelligence



Speaker: Om Moolchandani | Wednesday, March 24 | 12:00–12:45 PM EDT

SPONSORED EVENT

### From EDR to XDR: How to Drive a Faster Threat Response From Your Endpoint Security with XDR

Speakers: Brian McMahon and Ben Greenbaum  
Wednesday, March 24 | 12:45–1:30 PM EDT



Cisco  
Umbrella

SPONSORED EVENT

### Solving Your Trust Issues with SASE



Speaker: Jack Miller | Thursday, March 25 | 12:00–12:45 PM EDT

SPONSORED EVENT

### Five Practical Network Defense Lessons from the SolarWinds Attack



Speaker: Gregory Bell | Thursday, March 25 | 12:45–1:30 PM EDT

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### The Great Convergence – Cyber Criminals and APTs Meet at their Final Rendezvous: Firmware



Speaker: Scott Scheferman | Friday, March 26 | 12:00–12:45 PM EDT

SPONSORED EVENT

### Supercharge Your SIEM Capabilities with Modern Log Management

Speaker: Simon Simonsen | Friday, March 26 | 12:45–1:30 PM EDT

SPECIAL EVENT

## Trivia Night

Wednesday, March 24  
6:30–7:30 PM EDT

**SANS 2021 attendees: Take a break and join us for Trivia Night!**

SANS is excited to announce a new @Night Program event exclusive for the attendees of SANS 2021. Please join us on Wednesday after class for a virtual night of challenge and intrigue. The trivia competition will be held on a secure platform with option of enabling webcams and chat features to meet your fellow attendees. Gather your family and friends or play on your own! Exciting prizes available for top teams or individuals.

Registration information will be provided during the event through the SANS Training Slack Workspace

## OTHER NOTES

- SANS utilizes the Go-To-Training streaming platform and the Slack messaging application to deliver Live Online Training. More details on accessing these platforms will be sent in the week leading up to this event.
- Recordings of course lectures will be uploaded daily to student portal accounts and will be available for you to review for four months.

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To receive the discounted rate, you must sign up before Monday, March 29th at 8:00 PM EDT

- Add to your order via your Portal Account: [sans.org/account](https://sans.org/account)
- Call or e-mail SANS Registration: **1-301-654-SANS (7267) | [registration@sans.org](mailto:registration@sans.org)**