



“FOR578 is outstanding! It has taught me many things that I can take back and start implementing.”

- Josh Sutfin, CenterPoint Energy

“ICS456 is 100% directly related to what I need to know to do my job well. If you’re an entity, in the field, an auditor, or even a regulator, you will get a lot out of this course.”

- Matt Dale, FERC

“MGT514 gives me exposure to a broad spectrum of leadership and organizational topics that I can use to develop my career.”

- Andy Wcisel, Consumers Energy

Power & Utilities

Cybersecurity Training Roadmap

Visit sans.org/training to view training by location, course, or by delivery.



SANS offers training at our live events, including the Oil & Gas Cybersecurity Summit, and training online. Visit sans.org/training to view classes by modality. Access course demos with the OnDemand Platform.



GIAC Certifications provide the highest assurance of cybersecurity knowledge and skill available to clients across the world. GIAC Certifications meet ANSI / ISO 17024 standards and align with the NICE framework.



SANS Security Awareness Training covers every end-user, no matter their learning level. Create a culture of security awareness with programs such as End-User Training, Phishing Training, and Developer Training.

Power & Utilities

Cybersecurity Training Roadmap

View the full course catalog: sans.org/training

“ICS456 is a solid foundation course that should be included to aid anyone working with NERC CIP.”

- Jim Koran, Exelon

| Security Professional | | |
|---------------------------|--|-------|
| Security Essentials | SEC401 Security Essentials Bootcamp Style | GSEC |
| Control System Essentials | ICS410 ICS/SCADA Security Essentials | GICSP |
| Hands-On NERC CIP | ICS456 Essentials for NERC Critical Infrastructure Protection | GCIP |
| Hacker Techniques | SEC504 Hacker Tools, Techniques, Exploits, and Incident Handling | GCIH |

| Security Manager | | |
|-----------------------|---|------|
| Leadership Essentials | MGT512 SANS Security Leadership Essentials for Managers | GSLC |
| Hands-On NERC CIP | ICS456 Essentials for NERC Critical Infrastructure Protection | GCIP |
| New to Cybersecurity | SEC301 Introduction to Cyber Security | GISF |

| Security Operations | | |
|-------------------------|---|------|
| Intrusion Detection | SEC503 Intrusion Detection In-Depth | GCIA |
| Monitoring & Operations | SEC511 Continuous Monitoring and Security Operations | GMON |
| Security Architecture | SEC530 Defensible Security Architecture and Engineering | |

| Penetration Testing | | |
|---------------------|---|-------|
| Networks | SEC560 Network Penetration Testing and Ethical Hacking | GPEN |
| Web Apps | SEC542 Web App Penetration Testing and Ethical Hacking | GWAPT |
| Wireless | SEC617 Wireless Penetration Testing and Ethical Hacking | GAWN |

| Incident Response & Threat Hunting | | |
|------------------------------------|--|------|
| Windows Forensics | FOR500 - Windows Forensics Analysis | GCFE |
| Endpoint Forensics | FOR508 Advanced Incident Response, Threat Hunting, and Digital Forensics | GCFA |
| ICS Active Defense | ICS515 ICS Active Defense and Instant Response | GRID |

| Security Management | | |
|---------------------|--|-------|
| Strategic Planning | MGT514 Security Strategic Planning, Policy, and Leadership | GSTRT |
| CISSP | MGT414 SANS Training Program for CISSP® Certification | GISP |

| Quick Summary | Course Code | GIAC Certification |
|---------------|-------------------------------------|--------------------|
| SIEM | SEC555 SIEM with Tactical Analytics | GCDA |
| Course Title | | |

| Advanced Security Operations | | |
|------------------------------|--|------|
| SIEM | SEC555 SIEM with Tactical Analytics | GCDA |
| Windows & PowerShell | SEC505 Securing Windows and PowerShell Automation | GCWN |
| Purple Team | SEC599 Defeating Advanced Adversaries: Purple Team Tactics and Kill Chain Defenses | GDAT |

| Advanced Penetration Testing | | |
|------------------------------|--|-------|
| Networks | SEC660 Advanced Penetration Testing, Exploit Writing, and Ethical Hacking | GXPEN |
| Web Apps | SEC642 Advanced Web App Testing, Ethical Hacking, and Exploitation Techniques | |
| Purple Team | SEC599 Defeating Advanced Adversaries: Purple Team Tactics and Kill Chain Defenses | GDAT |

| Incident Response & Threat Hunting | | |
|------------------------------------|--|------|
| Network Forensics | FOR572 Advanced Network Forensics: Threat Hunting, Analysis, and Incident Response | GNFA |
| Threat Intelligence | FOR578 Cyber Threat Intelligence | GCTI |
| Malware Analysis | FOR610 Reverse-Engineering Malware: Malware Analysis Tools and Techniques | GREM |

| Advanced Security Management | | |
|------------------------------|--|------|
| Critical Controls | SEC566 Implementing and Auditing the Critical Security Controls - In-Depth | GCCC |
| Law & Investigations | LEG523 Law of Data Security and Investigations | GLEG |