

SOC Foundations for Federal Cyber Defense and Operations Course (Self-Paced)

This course prepares you to operate effectively inside a federal Security Operations Center, whether you're new to SOC work or an analyst who wants to solidify the federal standards and terminology behind the job. Unlike generic SOC training, every operational topic—log collection, continuous monitoring, detection engineering, and incident response—is grounded in the statutes, policy memoranda, and technical standards that actually govern federal cyber defense.

Group classes in Live Online and onsite training is available for this course. For more information, email onsite@graduateschool.edu or visit: <https://www.graduateschool.edu/courses/soc-foundations-for-federal-cyber-defense-and-operations-self-paced>



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Course Outline

- Module 1
 - Foundations of Federal Cybersecurity & the SOC Mission
- Module 2
 - SOC Team Structure, Roles & Responsibilities
- Module 3
 - Log Collection & Federal Logging Standards
- Module 4
 - Continuous Monitoring & Detection Engineering
- Module 5
 - Incident Response Workflow — NIST SP 800-61 Rev. 3
- Module 6
 - Reporting, Coordination & Compliance
- Module 7
 - SOC Metrics, Tools & Career Pathways