

## Career Path Syllabus: Become a SOC Analyst 1

Last Updated: October 2023

### Career Path Description

A Security Operations Center Analyst (SOC Analyst) stands as a front line of defense against the ever-present cyber threats faced by organizations today. A SOC team ensures an organization's digital assets remain secure and protected from unauthorized access by monitoring and responding to massive amounts of data in record time. In this role, you will protect your organization's infrastructure by monitoring data to identify suspicious activity, then mitigating risks before a breach occurs. Cybrary's Become a SOC Analyst - Level 1 career path will equip you to break into the field with skills aligned to the US National Institute of Standards and Technology's Cyber Defense Analyst NICE work role.

### Career Path Expectations and Goals

We have found the learners who are most successful in the program spend at least 30 minutes on learning a day. Your time is extremely valuable, so if there is a concept you already know, do not hesitate to skip that portion of the curriculum. The purpose of the career path is to ensure you have the knowledge/skills/abilities needed for the role. If you already have them, there is no need to duplicate efforts.

Career Paths can contain courses, labs, and assessments. Using these materials concurrently provides you with both instructional and hands-on experience that will enhance your chances of passing potential certification exams and give you the experience you need for the actual job role.

We also encourage you to engage with the mentors and other learners in the Cybrary Insider Pro (CIP) Discord Community. The CIP community members will share the insights they have acquired as they have gone through their journey. In addition, communicating difficult concepts is a learned skill and our community provides a risk-free environment for you to test that skill.

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## Career Path Outline

Important note: This syllabus presents Cybrary's suggested way to progress through the career path, but syllabus items do not need to be completed in the order they are listed. You have the freedom to complete items in any order.

Become a SOC Analyst - Level 1	Content Type	Difficulty	Duration (Hours)
Kali Linux Fundamentals	Course	Beginner	2.1
Command Line Basics	Course	Beginner	5.5
Cybersecurity Kill Chain	Course	Beginner	1.75
OWASP Top 10 - 2021	Course	Intermediate	1
Use Wireshark to Intercept Network Traffic	Hands-on	Intermediate	1
Identify Non-Secure Network Traffic	Hands-on	Beginner	0.75
Intro to Splunk	Course	Beginner	2.5
Intro to Python	Course	Beginner	3
Intro to PowerShell Scripting	Course	Beginner	1.75
CompTIA Security+ (SY0-601)	Course	Beginner	8
SC-200 Microsoft Security Operations Analyst	Course	Intermediate	8.5
SC-300 Microsoft Identity and Access Administrator	Course	Intermediate	6.5

**Total titles: 12**

**Total learning hours: 42.5**

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