

SEC-100: Cybersecurity Essentials Certification

Duration: 90 Days

Course Description:

OffSec's CyberCore – Security Essentials (SEC-100) equips learners with the essential knowledge and hands-on skills needed to launch a successful career in cybersecurity. This comprehensive course covers basic offensive and defensive techniques, networking, scripting, application and operating system security, and business-related skills.

Course Outlines:

Introduction to SEC-100

- Explore the core concepts and philosophies behind OffSec SEC-100: CyberCore- Security Essentials, setting the stage for your cybersecurity journey.

Anatomy of Cybersecurity

- Understand the fundamental principles of cybersecurity, including common threats, vulnerabilities, and the importance of proactive defense.

Cybersecurity Frameworks and Standards

- Learn about industry-recognized frameworks like NIST and ISO 27001, which provide guidance for implementing effective security practices.

Cybersecurity Roles

- Discover the diverse career paths available in cybersecurity, from penetration testers and information security analysts to incident responders and security architects.

Linux Basics

- Master the fundamentals of the Linux operating system, a critical skill for cybersecurity professionals due to its prevalence in server environments.

Windows Basics

- Gain familiarity with the Windows operating system, its security features, and common vulnerabilities exploited by attackers.

Data Transformation Fundamentals

Learn how to manipulate and transform data using various techniques, a valuable skill for analyzing security logs and identifying patterns.

Python Scripting Fundamentals

- Master the basics of Python, a versatile programming language used for automation, scripting security tools, and developing exploits.

PowerShell Scripting Fundamentals

- Learn the essentials of PowerShell, a powerful scripting language used for automating tasks in Windows environments.

Networking Fundamentals

- Understand the basics of networking, including protocols, topologies, and how data flows across networks, crucial for understanding how attacks propagate.

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