SEC-100: CyberCore - Security Essentials

Essential training for aspiring cybersecurity professionals

OffSec provides the hands-on training and industry-recognized certifications you need to launch a successful career in cybersecurity. This new course and its associated exam cover offensive techniques, defensive tactics, networking & scripting basics, application & operating system security, and the business skills needed to land and succeed in an entry-level cybersecurity role.

Perfect for recent graduates, or anyone seeking to enter cybersecurity, learners get 12 months of online access to course content and hands-on labs. Learners take a proctored exam to become OffSec CyberCore Certified (OSCC) professionals by demonstrating the role-ready skills across multiple areas necessary to enter cybersecurity jobs.

Best suited for:

- Recent graduates looking to apply their IT knowledge to cybersecurity
- Career changers transitioning to cybersecurity from other IT roles
- IT professionals wanting to expand their skill set around cybersecurity
- Anyone curious about entering the field of cybersecurity

Learning Objectives:

- **Understand the cybersecurity landscape:** Grasp the key concepts and terminology of cybersecurity, including common threats, vulnerabilities, and attack techniques
- **Develop practical skills:** Acquire hands-on experience in offensive and defensive techniques, networking, scripting, and security across various platforms
- **Think like a hacker:** Learn to identify and exploit vulnerabilities in software and systems, adopting a proactive approach to security
- **Build a career in cybersecurity:** Prepare yourself for entry-level cybersecurity roles with practical skills and industry-recognized certifications

40
modules

7
topic areas

6
hour proctored exam

OffSec
OSCC
SEC-100

Earn the industry-recognized OffSec CyberCore Certified (OSCC) designation

Validate your essential cybersecurity skills and readiness with the OSCC certification, a globally recognized credential backed by OffSec, the leading provider of hands-on cybersecurity training. This CyberCore certification for SEC-100:

- Showcases proficiency in essential cybersecurity principles and techniques, proven through a rigorous, hands-on 6 hour proctored exam
- Signifies that you have the practical skills needed to succeed in entry-level cybersecurity roles
- Helps you stand out to employers with a certification from OffSec, a name trusted by organizations worldwide for developing top cybersecurity talent

Explore some of the modules covered:

- Introduction to CyberCore
- Networking Fundamentals
- Introduction to Defensive Cybersecurity Skills
- Introduction to Offensive Skills
- Anatomy of Cybersecurity
- Linux Basics
- SOC Management Practices
- Offensive Cloud Fundamentals

Why choose OffSec?

Proven learning methodology

Cultivate a curious mindset necessary for success in cybersecurity from the outset

Hands-on experience

Labs and exercises provide you with the real-world reps necessary for success in a cybersecurity role

Industry recognition

OffSec certifications are recognized industry-wide

Supportive community

Connect with fellow learners and mentors for guidance and encouragement

Take the first step towards cyber success

Start building your cybersecurity career today with OffSec's SEC-100: CyberCore - Security Essentials

offsec.com/cybercore

FAQ

Syllabus

- Introduction to CyberCore
- Anatomy of Cybersecurity
- Cybersecurity Roles
- Cloud Computing Fundamentals
- Linux Basics I
- Windows Basics I
- Python Scripting Basics
- PowerShell Scripting Basics
- Networking Fundamentals
- Enterprise Network Architecture
- Introduction to Network Firewalls
- Background to Contemporary AI
- Cryptography
- Penetration Testing Process
- Information Gathering / Nmap
- Web Attacks
- Attacking Endpoints
- Introduction to Linux Privilege Escalation
- Introduction to Windows Privilege Escalation

- Defense Evasion
- Offensive Cloud Fundamentals
- SOC Management Processes
- Defensive Processes
- Vulnerability Management
- Malware Analysis
- Social Engineering and Phishing
- Ransomware, DDoS, and Availability
- WIFI Security
- Embedded Systems
- Industrial Control Systems and Operational Technology
- Software Engineering Security
- Foundational Input Validation Concepts
- Design of Trustworthy Systems
- Cloud Architecture Fundamentals
- Introduction to Assurance Testing
- Business Decisions in Security
- Risk Management
- Getting hired / Manage your career

Who should take SEC-100?

SEC-100 is designed for beginners and anyone interested in starting a career in cybersecurity. No prior cybersecurity experience is required.

What skills will I gain?

You'll gain skills in offensive and defensive techniques, networking, scripting, security across applications and operating systems, cloud security, risk management, and more.

Do I need any prerequisites?

Basic computer literacy and a willingness to learn are all you need. Some experience with IT or programming concepts can be helpful but is not required.

How long is the course, what is the format and does the certification expire?

The course is self-paced and can typically be completed anywhere from within a few weeks to a few months. It includes text and video lessons, hands-on labs, and assessments. The certification expires after 3 years.