OffSec's CyberCore - Security Essentials Course Syllabus

Course Summary, Methodology, and Organization of Content	
Course Summary	SEC-100: CyberCore - Security Essentials is a comprehensive course designed to launch your cybersecurity career. It covers offensive and defensive techniques, networking, scripting, cloud, and security essentials through hands-on labs and online content, preparing learners for the OffSec CyberCore Certified (OSCC-SEC) exam and a variety of entry-level cybersecurity roles.
Learning Methodology	OffSec CyberCore utilizes a blended learning approach that combines interactive online instruction with hands-on labs. Learners engage with comprehensive course materials, including video lectures, readings, and quizzes, while applying their knowledge in simulated environments to develop practical skills. Completing the course and successfully passing the associated exam awards the OffSec CyberCore Certified certification (OSCC-SEC.)

The following section contains the various Learning Modules and Learning Units.

Learning Module	Learning Units
Introduction	Introduction to CyberCore - Security Essentials
Basic Cybersecurity Information	Anatomy of Cybersecurity
	Cybersecurity Frameworks and Standards
	Cybersecurity Roles

General Skills	Introduction to General Cybersecurity Skills
	Linux Basics
	Windows Basics
	Data Transformation Fundamentals
	Python Scripting Fundamentals
	PowerShell Scripting Fundamentals
	Networking Fundamentals
	Enterprise Network Fundamentals
	Introduction to Network Firewalls
	Cloud Computing Fundamentals
	Background to Contemporary AI
	Cryptography Fundamentals
Offensive	Introduction to Offensive Cybersecurity Skills

	Penetration Testing Process
	Information Gathering and Enumeration
	Understanding Web Attacks
	Attacking Endpoints
	Defense Evasion
	Offensive Cloud Fundamentals
Defensive	Introduction to Defensive Cybersecurity Skills
	SOC Management Processes
	Defensive Security Processes
	Vulnerability Management
	Malware Analysis
	Social Engineering and Phishing
	Ransomware, DDoS, and Availability

	Wi-Fi Security
	Security of Embedded Systems
	Industrial Control Systems and OT
	Risk Management in Cybersecurity
Build	Introduction to Build Skills for Cybersecurity
	Software Engineering Security
	Foundational Input Validation Concepts
	Cloud Architecture Fundamentals
	Introduction to Assurance Testing
	Starting and Developing a Career in Cybersecurity